

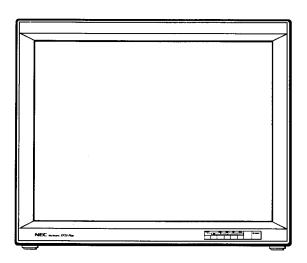
MODEL XP-2990 XM-2960 XP-2990G XM-2960G

MultiSync Multimedia Monitor SERVICE MANUAL

PART No. 399910914



Better Service Better Reputation Better Profit



SAFETY CAUTION:

Before servicing this chassis, it is important that the service technician read and follow the "Safety Precautions" and "Product Safety Notice" in this Service Manual.

WARNING:

SHOCK HAZARD - Use an isolation transformer when servicing.

NEC Corporation

TOKYO, JAPAN

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SAFETY PRECAUTIONS



CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN



CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT OPEN TOP COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol warns the user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any part inside of this unit.



This symbol alerts the user that important literature concerning the operation and maintenance of this unit has been included.

Therefore, it should be read carefully in order to avoid any problems.



ATTENTION

RISQUE D'ELECTROCUTION NE PAS OUVRIR



ATTENTION:

POUR EVITER LES RISQUES D'ELECTROCUTION, NE PAS ENLEVER LE CONVERCLE SUPERIEUR. AUCUN DES ELEMENTS INTERNES NE DOIT ETRE REPARE PAR L'UTILISATEUR. NE CONFIER L'ENTRETIEN QU'A UN PERSONNEL QUALIFIE.

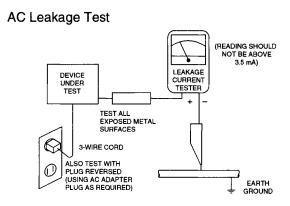


L'éclair fléché dans un triangle équilatéral est destiné à avertir l'utilisateur de la présence, dans l'appareil, d'une zone non-isolée soumise à une haute tension dont l'intensité est suffisante pour constituer un risque d'électrocution.



Le point d'exclamation dans un triangle équilatéral est destiné à attirer l' attention de l'utilisateur sur la présence d'informations de founctionnement et d'entretien importantes dans la brochure accompagnant l'appareil.

- Before returning an instrument to the customer, always make a safety check of the entire instrument, including, but not limited to, the following items.
 - a. Be sure that no built-in protective devices are defective and/or have been defeated during servicing. (1) Protective shields are provided on this chassis to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience. (2) When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including but not limited to, nonmetallic control knobs, insulating fishpapers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning.
 - b. Be sure that there are no cabinet openings through which an adult or child might be able to insert their fingers and contact a hazardous voltage. Such opening include, but are not limited to, (1) spacing between the picture tube and the cabinet mask, (2) excessively wide cabinet ventilation slots, and (3) an improperly fitted and/or incorrectly secured cabinet back cover.
 - c. Leakage Current Hot Check With the instrument completely reassembled, plug the AC line cord directly into a 120V AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards Institutes (ANSI) C101.1 Leakage Current for Appliances and Underwriters Laboratories(UL) 1950. With the instrument AC switch first in the ON position and then in the OFF position, measure from a known earth ground (metal waterpipe, conduit, etc.) to all exposed metal parts of the instrument(antennas, handle bracket, metal cabinet, screwheads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 3.5 milliamp. Reverse the instrument power cord plug in the outlet and repeat test. ANY MEASUREMENTS NOT WITHIN THE LIMITS SPECIFIED HEREIN INDICATE A POTENTIAL SHOCK HAZARD THAT MUST BE ELIMINATED BEFORE RETURNING THE INSTRUMENT TO THE CUSTOMER.



- Read and comply with all caution and safety-related notes on or inside the Projection Monitor cabinet, on the Projection Monitor chassis, or on the picture tube.
- 3. Design Alteration Warning Do not alter or add to the mechanical or electrical design of this unit. Design alterations and additions, including, but not limited to, circuit modifications and the addition of the items such as auxiliary audio and/or video output connections might alter the safety characteristics of this Projection Monitor and create a hazard to the user. Any design alterations or additions will void the manufacturer's warranty and will make you, the servicer, responsible for personal injury or property damage resulting therefrom.
- Hot Chassis Warning a. Some MultiSync Monitor chassis are electrically connected directly to one conductor of the AC power cord and may be safely serviced without an isolation transformer only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC power source. To confirm that the AC power plug is inserted correctly, with an AC voltmeter measure between the chassis and a known earth ground. If a voltage reading in excess of 1.0V is obtained, remove and reinsert the AC power plug in the opposite polarity and again measure the voltage potential between the chassis and a known earth ground. b. Some Projection Monitor chassis normally have 85V AC (RMS), between chassis and earth ground regardless of the AC plug polarity. These chassis can be safely serviced only with an isolation transformer inserted in the power line between the receiver and the AC power source, for both personnel and test equipment protection. c. Some Projection Monitor chassis have a secondary ground systems in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground system are electrically separated by insulating material that must not be defeated or altered.

- 5. Observe original lead dress. Take extra care to assure correct lead dress in the following areas: a. near sharp edges, b. near thermally hot parts—be sure that leads and components do not touch thermally hot parts, c. the AC supply, d. high voltage, and e. antenna wiring. Always inspect in all areas for pinched, out-of-place, or frayed wiring. Do not change spacing between components, and between components and the printed-circuit board. Check AC power cord for damage.
- 6. Components, parts, and/or wiring that appear to have overheated or are otherwise damaged should be replaced with components, parts, or wiring that meet original specifications. Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.
- 7. PRODUCT SAFETY NOTICE —Many MultiSync Monitor electrical and mechanical parts have special safety-related characteristics some of which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified in this service data by shading with a Amark on schematics and by shading or a Amark in the parts list. Use of a substitute replacement part that does not have the same safety characteristics as the recommended replacement part in this service data parts list might create shock, fire, and/or other hazards.

PRECAUTIONS DE SECURITE

- 1. Avant de remettre un appareil à un client, faire toujours d'abord un examen de sécurité de l'appareil en entier comprenant, mais ne s'y limitant pas les points cités ci-dessous:
 - a. Vérifier qu' aucun des dispositifs de protection ne soit défectueux ou n' ait été endommagé pendant les travaux.
 - (1) Les volets protecteurs sur ce châssis ont été montés pour protéger aussi bien le technicien que le client. Remplacer correctement tous les volets protecteurs manquants, aussi bien que ceux qui ont pu être enlevés pour la commodité des travaux.
 - (2) Quand vous remettez le châssis ou d'autres assemblages ensemble dans le coffret, vérifier qu' ont été remis à leur place tous les dispositifs de protection, comprenant mais ne s' y limitant point, les boutons de contrôle non-métalliques, les feuilles d'isolation, les couverture/volets de l'ajustement et du compartiment, et l'isolation des réseaux résistance/condensateur. Ne pas travailler sur cet appareil ni permettre qu'y soit effectué un travail sans que tous les dispositifs de protection n' y soient correctement installés fonctionnants.
 - b. Bien vérifier qu'il n'y ait aucune ouverture sur le coffret qui ne puisse permettre à un adulte ou à un enfant d'y faire pénétrer ses doigts et attraper une décharge électrique.
 - De telles ouvertures comprendraient sans pour autant s'y limiter (1) l'espace entre le tube à images et le coffret de l'eppareil, (2) les espaces excessivement ouverts pour la ventilation et (3) la couverture arrière du coffret improprement fixée ou incorrectement protegée.

c. Vérification de courant de fuite

L'appareil avant été complètement réassemblé. brancher-le à une prise de courant de 120V. (Ne pas se servir d'un transformateur d'isolation pendant ce test). Se servir d'un vérificateur de courant d'excitation ou d'un système de mesure conforme aux normes ANSI (American National Standards Institute) C101.1 Leakage Current for Appliances et U. L (Underwriters Laboratories) 1950. Le bouton de l'appareil en position "Marche" et ensuite en position "Arrêt", mesurer à partir d'une prise de terre (métallique tuyauterie, conduite, etc...) à toutes les pièces métalliques de l'appareil exposées (antennes, poignet métalliques, coffren métallique, tête des vis, surfaces métalliques, traits de contrôle, etc.) surtout à toutes les pièces métalliques exposées qui peuvent reconduire le courant au châssis. En

aucun cas, la mesure du courant ne doit dépasser 3.5 milliamp. Inverser la fiche de courant de l'appareil dans la prise et répéter le test. Tout mesurage ne s'arrêtant pas aux limites spécifiées icicomporte un risque de décharge électrique dangereux, qui doit être éliminé, avant que l'appareil ne soit remis au client.

EXAMEN DE COURANT D'EXCITATION (LA MESURE DU COURANT NE DOIT PAS DEPASSER 3.5 MILLIAMP) DISPOSIT IF SOUS L'EXAMEN VERIFICATEUR DE CORANT DE FUITE EXAMINER TOUTES LES PIECES METALLIQUES DEL' APPAREIL EXPOSEE 3-CORDES DE FIL EXAMINER AVEC LA FICHE DE COURANT INVERSEE PRISE DE TERRE (SE SERVIR DE LA FICHE DE COURANT DE L' A DAPTATEUR COMME DEMANDÉE)

2. Lire et respecter toutes les mises en garde et notes de sécurité à l'intérieur ou à l'extérieur du coffret du rétro-projecteur, sur le châssis du rétro-projecteur ou sur le tube à images.

3. Mise en garde contre la modification du dessin

Ne pas modifier ni ajouter à la pièce mécanique ou électrique du modèle. Des modifications ou additions, comportant, mais ne s'y limitant pas, des modifications des circuits et l'addition d'éléments tels que des auxilliairs audio et/ou des branchements pour la prise de vidéo, pourrait éprouver la sécurité de ce rétro-projecteur et créer un risque pour l'utilisateur. Tout changement ou addition accomplie annulera la garantie du fabricant et va rendre votre service d'entretien, responsable des dommages corporels ou de biens en résultant.

4. Mise en garde contre le châssis sous tension

a. Certains châssis de rétro-projecteur sont électriquement reliés à un conducteur du fil de courant et ainsi peuvent ne comporter aucun risque sans un transformateur d'isolation seulement si la prise de courant est branchée, de manière que le châssis est relié à la prise de terre de la source de courant. Pour s'assurer que la prise de courant est correctement insérée, relever les mesures avec un voltmètre de courant entre le châssis et un point de prise de terre bien connu. Si le voltage indiqué est supérieur à 1,0V, débrancher et reinsérer la prise de courant dans la polarité contraire et une fois de plus remesurer le voltage potentiel entre le câssis et la prise de terre.

- b. Certains châssis de moniteur ont habituellement 85V (RMS) entre le châssis et la prise de terre, en fonction de la polarité de la prise de courant. Ces châssis peuvent ne comporter aucun risque seulement avec un transformateur d'isolation inséré dans la ligne de puissance située entre de rétro-projecteur et la source d'électricité, cela pour la protection aussi bien du personnel que du matériel de vérfication.
- c. Certains châssis de rétro-projecteur ont un système secondaire de masse en addition avec le système principal de masse du châssis. Ce système secondaire de masse n'est pas isolé du courant électrique. Les deux systèmes sont électriquement séparés par du matériel d'isolation qu' on vérifiera bien qu'il ne soit ni altéré ni défectueux.
- 5. Vérifier la couverture originale en plomb. Accorder la plus grande attention à la couverture de plomb notamment aux endroits ci-dessous indiqués.
 - a. Près des bords aigus
 - b. près des parties très chaudes
 Vérifier que les composants et les plombs ne touchent pas les parties très chaudes telles que:
 - c. l'alimentation du courant
 - d. la haute tension
 - e. les fils de l'antenne

Pousser l'inspection, à tous les endroits, à la recherche des cordes pincées, déplacées ou effilochées. Ne pas changer l'écartement entre composants, et entre composants et le tableau de circuit imprimé. Vérifier que le fil de conduite électrique est en bon état.

6. Les composants, parts (pièces) et/ou fils qui ont été trouvés surchauffés devraient être remplacés avec les composants, pièces et fils s'y reliant avec d'autre qui ont les mêmes spécifications que les originales. De plus, rechercher la cause du surchauffement et/ou des dommages et si nécessaire, prendre les mesures propres pour prévenir tout risque potentiel.

7. Note sur sûreté de l'appareil

Beaucoup de pièce de rétro-projecteur, qu'elles soient électriques ou mécaniques, ont des dispositions de sécurité qui ne sont pas toujours évidentes d'une simple inspection visuelle et la protection qu'elles donnent nécessairement ne pourront être pas obtenues par les remplaçants avec des composants aux voltages ou watts plus élevés. Les pièces qui ont des caractéristiques particulières de sécurité sont identifiées avec un trait \triangle marqué sur les schémas et sont ombragés ou comportent un trait \triangle sur la liste des pièces. L'utilisation d'un produit substitutif qui n'aurait pas les mêmes caractéristiques comme il est recommandé dans ces données d'entretien pourrait provoquer une décharge électrique, un feu, et/ou d'autres dangers.

OPERATION MANUAL

CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol warns the user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any part inside of this unit.



This symbol alerts the user that important literature concerning the operation and maintenance of this unit has been included. Therefore, it should be read carefully in order to avoid any problems.

WARNING

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE. ALSO DO NOT USE THIS UNIT'S POLARIZED PLUG WITH AN EXTENSION CORD RECEPTACLE OR OTHER OUTLETS, UNLESS THE PRONGS CAN BE FULLY INSERTED. REFRAIN FROM OPENING THE CABINET AS THERE ARE HIGH-VOLTAGE COMPONENTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

DOC compliance Notice

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

WARNING

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Warnings and Safety Precaution

The NEC MultiSync Multimedia monitors XP29 Plus and XM29 Plus are designed and manufactured to provide long, trouble-free service. No maintenance other than cleaning is required. Use a soft cloth and if necessary, mild detergent. Do not use commercial spray cleaners which may damage the surface. In case of damage, arrange for repairs at an authorized NEC Service Center.

For operating safety and to avoid damage to the unit, read carefully and observe the following instructions.

To avoid shock and fire hazards:

- 1. Provide adequate space for ventilation to avoid internal heat build-up. Do not cover rear vents or install in a closed cabinet or shelves. The unit is equipped with cooling fans on the top. If you enclose the unit in a cabinet or rack, be sure there is adequate space at the top of the unit to allow heated air to rise and escape. A cabinet or shelves in which the unit is placed must be maintained below 40°C.
- Do not use the power cord polarized plug with extension cords or outlets unless the prongs can be completely inserted.
- 3. Do not expose unit to rain or moisture.
- Avoid damage to the power cord, and do not attempt to modify the power cord.
- Unplug unit during electrical storms or if unit will not be used over a long period.

- 6. Do not open the cabinet which has potentially dangerous high voltage components inside. If the unit is damaged in this way the warranty will be vold. Moreover, there is a serious risk of electric shock.
- 7. Do not attempt to service or repair the unit. NEC is not liable for any bodily harm or damage caused if unqualified persons attempt service or open the back cover. Refer all service to authorized NEC Service Centers.

To avoid damage and prolong operating life:

- Use only with 100-120V/220-240V 50/60Hz AC power supply. Continued operation at line voltages other than 100-120V/220-240 Volts AC will shorten the life of the unit, and might even cause a fire hazard.
- 2. Handle the unit carefully when moving and do not drop.
- 3. Locate set away from heat, excessive dust, and direct sunlight.
- 4. Protect the inside of the unit from liquids and small metal objects. In case of accident, unplug the unit and have it serviced by an authorized NEC Service Center.
- Unplug unit before cleaning. Use only a soft cloth and mild detergent. Commercial household sprays and cleaners may damage the CRT surface and cabinet.
- Stacking of units, one top of another, may result in damage to the units. Stacking is not recommended.

ATTENTION RISQUE D'ELECTROCUTION NE PAS OUVRIR AFIN DE REDUIRE LES RISQUES D'ELECTRO-MISE EN GARDE:

CUTION, NE PAS DEPOSER LE COUVERCLE, IL N'Y A AUCUNE PIECE UTILISABLE A L'INTERIEUR DE CET APPAREIL. NE CONFIER LES TRAVAUX D'ENTRETIEN QU'A UN PERSONNEL QUALIFIE.



Ce symbole a pour but de prévenir l'utilisateur de la présence d'une tension dangereuse, non isolée se trouvant à l'intérieur de l'appareil. Elle est d'une intensité suffisante pour constituer un risque d'électrocution. Eviter le contact avec les pièces à l'intérieur de cet appareil.



Ce symbole a pour but de prévenir l'utilisateur de la présence d'importantes instructions concernant l'entretien et le fonctionnement de cet appareil. Par conséquent, elles doivent être lues attentivement afin d'éviter des problèmes.

AVERTISSEMENT

AFIN DE REDUIRE LES RISQUES D'INCENDIE OU D'ELECTROCUTION, NE PAS EXPOSER CET APPAREIL A LA PLUIE OU A L'HUMIDITE. AUSSI, NE PAS UTILISER LA FICHE POLARISEE AVEC UN PROLONGATEUR OU UNE AUTRE PRISE DE COURANT SAUF SI CES LAMES PEUVENT ETRE INSEREES A FOND. NE PAS OUVRIR LE COFFRET, DES COMPOSANTS HAUTE TENSION SE TROUVENT A L'INTERIEUR. LAISSER A UN PERSONNEL QUALIFIE LE SOIN DE REPARER CET APPAREIL.

DOC avis de conformation

Cet appareil numérique de la classe A respecte toutes les exigences du Réglement sur le Matériel Brouilleur du Canada.

Mises en garde et précautions de sécurité

Les moniteurs MultiSync Multimédia XP29 Plus et XM29 Plus de NEC ont été conçus et fabriqués pour assurer une longue durée de service sans problèmes. Aucun entretien à l'exception du nettoyage n'est nécessaire. Utiliser un chiffon doux et un détergent doux, si nécessaire. Ne pas utiliser des aérosols de nettoyage du commerce qui risquent d'endommager la surface de cet apparell. Si l'appareil est endommagé, confier les travaux de réparation à un centre de service garéé NEC.

Pour un fonctionnement sûr et afin d'éviter d'endommager l'appareil, lire attentivement et respecter les instructions suivantes.

Afin d'éviter tout risque d'électrocution et d'incendie:

- 1. Réserver un espace libre suffisant pour la ventilation afin d'éviter une accumulation de chaleur interne. Ne pas couvrir les trous d'aération arrière ou installer l'appareil dans un coffret fermé ou sur une étagère. L'appareil est équipé d'ailettes de refroidissement sur le dessus. Si l'apparell est logé dans un coffret ou sur une étagère, s'assurer qu'il y a un espace libre suffisant pour la dissipation de la chaleur. Si l'appareil est posé sur un coffret ou une étagère, la température doit être maintenue en dessous de 40°C.
- 2. Ne pas utiliser la fiche polarisée du cordon d'alimentation avec des prolongateurs ou des prises de courant, sauf si les lames peuvent être insérées à fond.
- 3. Ne pas exposer à la pluie ou à l'humidité.
- 4. Eviter d'endommager le cordon d'alimentation, et ne pas modifier le cordon d'alimentation.

- 5. Débrancher l'appareil pendant les tempêtes ou si l'appareil n'est pas utilisé pendant une longue période.
- 6. Ne pas ouvrir le coffret. Des composants de haute tension se trouvent à l'intérieur. Si l'appareil est endommagé de cette manière, la garantie devient caduque. De plus, il y a risque d'électrocution.
- 7. Ne pas essayer de réparer ou entretenir l'appareil soi-même. NEC ne saura être tenu pour responsable pour toute blessure ou dommage causé par des personnes non qualifiées qui essayent de réparer ou d'ouvrir le couvercle arrière. Confier toute réparation à un centre de service agréé

Pour éviter des dommages et prolonger la durée de service de l'appareil:

- 1. N'utiliser qu'une source d'alimentation de 100-120 V/220-240V 50/60 Hz CA. Le fait d'utiliser l'appareil en continu à des tensions de ligne supérieures à 100-120/220-240 Volts CA réduit sa durée de vie et risque de provoquer un incendie.
- 2. Manipuler l'appareil avec soin pendant son déplacement et ne pas le
- 3. Eloigner l'appareil des endroits chauds, très poussiéreux et exposés en plein soleii. 4. Eviter que des liquides et des petits objets métalliques pénètrent à
- l'intérieur de l'appareil. En cas d'accident, débrancher l'appareil et le confier à un centre de service agréé NEC.
- 5. Débrancher l'appareil avant le nettoyage. Utiliser seulement un chiffon doux et un détergent doux
- Des aérosols et produits de nettoyage disponibles dans le commerce risquent d'endommager l'écran et le coffret
- 6.Ne pas empiler les unités les unes sur les autres, afin d'éviter de les endommager.

LIMITED WARRANTY

NEC Multimedia Monitor Products

NEC Technologies, Inc.(hereafter NECTECH)warrants this product to be free from defects in material and workmanship under the following terms.

HOW LONG IS THE WARRANTY

Parts and labor are warranted for (1) One Year and CRT's for (1) One year from the date of the first customer purchase.

WHO IS PROTECTED

This warranty may be enforced only by the first purchaser.

WHAT IS COVERED AND WHAT IS NOT COVERED

Except as specified below, this warranty covers all defects in material or workmanship in this product. *The following are not covered by the warranty:*

- Any product which is not distributed in the U.S.A. Canada, and Mexico by NECTECH or which is not purchased in the U.S.A. Canada, and Mexico from an authorized NECTECH dealer.
- If you are uncertain as to whether a dealer is authorized, please contact NECTECH at 800-836-0655. Any questions or problems you have with our XP29Plus/XM29Plus, contact NECTECH at 800-836-0655.
- 2. Any product on which the serial number has been defaced, modified or removed.
- 3. Damage, deterioration or malfunction resulting from:
 - · Accident, misuse, abuse, neglect, fire, water, lightning or other acts of nature.

- unauthorized product modification, or failure to follow instructions supplied with the product.
- Repair or attempted repair by anyone not authorized by NECTECH.
- · Any shipment of the product (claims must be presented to the carrier).
- · Removal or installation of the product.
- · Any other cause which does not relate to a product defect.
- · Burns or residual images upon the phosphor of the tubes.
- Cartons, carrying cases, batteries, external cabinets, magnetic tapes, or any accessories used in connection with the product.

WHAT WE WILL PAY FOR AND WHAT WE WILL NOT PAY FOR

We will pay labor and material expenses for covered items, but we will not pay for the following:

- 1. Removal or installation charges.
- Costs of initial technical adjustments(set-up), including adjustment of user controls.These costs are the responsibility of the NECTECH dealer from whom the product was purchased.
- 3. Payment of shipping charges.

HOW YOU CAN GET WARRANTY SERVICE

- To obtain service on your product, consult the dealer from whom you purchased the
 product, or ship it prepaid to any authorized NECTECH service center.
- Whenever warranty service is required, the original dated invoice (or a copy) must be presented as proof of warranty coverage, and should be included in any shipment of the product. Please also include in any mailing, your name, address and a description

of the problem(s). Failure to comply with NECTECH Service Procedures may cause a delay in repairing the unit.

For the name of the nearest NECTECH authorized service center, call NECTECH at 800-836-0655.

LIMITATION OF IMPLIED WARRANTIES

All implied warranties, including warranties of merchantability and fitness for a particular purpose, are limited in duration to the length of this warranty.

EXCLUSION OF DAMAGES

NECTECH's liability for any defective product is limited to the repair or replacement of the product at our option. NECTECH shall not be liable for:

- Damage to other property caused by any defects in this product, damages based upon inconvenience, loss of use of the product, loss of time, commercial loss; or
- 2. Any other damages whether incidental, consequential or otherwise. Some states do not allow limitation on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

HOW STATE LAW RELATES TO THE WARRANTY

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

FOR MORE INFORMATION, TELEPHONE 800-836-0655

NEC TECHNOLOGIES, INC. 1250 N. Arlington Heights Road, Suite 500 Itasca. Illinois 60143-1248

NOTE: All products returned to NECTECH for service MUST have prior approval.
To get approval, call NEC Technologies at 800-836-0655.

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Keystone/Tilt/Rotation/Scan Select Controls Group	
RGB Controls Group	
OSM Location/OSM Turn Off Time Control	
Source Information	
Volume Control	
Reset Control	
OSM System Control Menu	
PC/External Control Function	
Command Reference	
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Input Signal Reference Chart	67
Typical Input Signal Timing	
Signal Identification for Raster Preset	
8. Service and Support	
o. service and support	07

This manual covers both the XP29 Plus and the XM29 Plus multimedia monitors. The operating procedures are common to both models.

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Introduction

Introduction to the MultiSync XP29 Plus/XM29 Plus Monitor

This section introduces you to your new MultiSync XP29 Plus/XM29 Plus monitor, provides a list of materials that comes with your monitor and describes the features and controls.

The features you'll enjoy include:

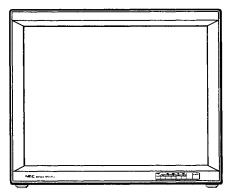
- Simple controls
- Let you make all necessary adjustments and selections with one button simplicity from the remote control.
- 29" CRT(27" viewable image size)
- True displayable 1024 x768 resolution

- On-screen menus
- Plain English and clear instructions with graphic icons show you exactly how to adjust your screen image.
- Flexible inputs
- Connect up to four different inputs at once and switch among them with a touch of a button to seamlessly integrate information from a computer and VCR into one presentation.
- Signal loop-through
- Lets you run up to 2 monitors from one source, which can greatly simplify connections and reduce hardware requirements.
- Attractive cabinets
- A sleek, sophisticated cabinet design complements your presentation environment and enhances the professionalism of your presentations.
- Microsoft Plug and Play compatibility
- The only monitors in their class to include this standard that automatically optimizes display settings.
- Supports most IBM VGA, S-VGA, XGA, Macintosh or any other RGB signals within a horizontal frequency range or 15.75 to 95 kHz (15.75 to 65 kHz for XM29 Plus) and a vertical frequency range of 40 to 120 Hz. This includes NTSC, PAL, SECAM, and M-NTSC standard video signals.
- MultiCable allows hook up to either Macintosh or IBM-PC compatible directly.
- Front bezel controls
- Universal power supply from 100 Vac thru 240 Vac

Contents of the Package

The following lists all of the items included in your MultiSync multimedia monitor package. Please save the original box and packing materials for future transportation or shipment of this monitor.

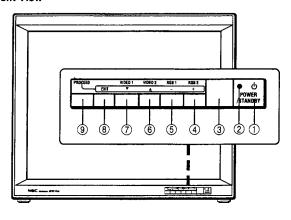
- MultiSync XP29 Plus (XP-2990)/XM29 Plus (XM-2960) multimedia monitor
- 2. Power cord
- 3. Wireless remote control unit and two AA batteries
- PC/Macintosh MultiCable (15-Pin Mini D-Sub To 15-pin D-Sub Connector)
- 5. User's manual
- 6. Quick set up card (Not attached to XP-2990G and XM-2960G)
- Registration card: Please fill out and return the registration card as soon as possible. (Not attached to XP-2990G and XM-2960G)





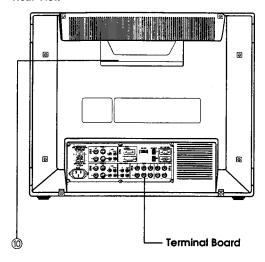
Part Names and Functions

Front View



Rear View

9 PROCEED



1	POWER	Press to turn the main power on and off when the AC power is supplied.
2	STANDBY/POWER ()	When this indicator is green, the monitor is
		on; when the indicator is red, it is in standing by.
3	Remote Sensor Window	Receives infrared signal from the handheld remote control.
4		Press to select an RGB video source that is connected to the RGB 2 input terminals (BNC type). When you are in the OSM mode, this button works as the plus button.
(5)		Press to select an RGB video source that is connected to the RGB 1 input terminal (D-SUB 15 pin type). When you are in the OSM mode, this button works as the minus button.

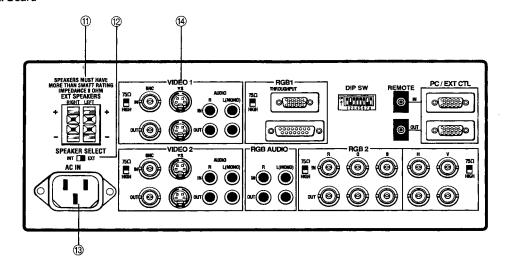
⑥ VIDEO 2/▲	Press to select an NTSC, PAL, SECAM or M-NTSC compatible video source that is connected to the VIDEO 2 input terminal (BNC type or S-VIDEO 2 IN). When you are in the OSM mode, this button works as the up button. NOTE: S-VIDEO IN terminals will take preference over VIDEO IN terminals when the video source is connected to each terminal and VIDEO 1 or 2 selected.
⑦ VIDEO 1/▼	Press to select an NTSC, PAL, SECAM or M-NTSC compatible video source that is connected to the VIDEO 1 input terminal (BNC type or S-VIDEO 1 IN). When you are in the OSM mode, this button works as the down button.
® EXIT	Press to exit the OSM mode. The OSM screen disappears.

displayed.

® Remote Control Holder..... Place remote control unit here when not in

.. Press to access OSM. The OSM screen is

Terminal Board



① Speakers

RIGHT + Connect RIGHT speaker positive wire here.

RIGHT - Connect RIGHT speaker negative wire here.

LEFT - Connect LEFT speaker negative wire here.

LEFT + Connect LEFT speaker positive wire here.

② SPEAKER SELECT INT/EXT Select Switch

Set to the INT position for built-in monitor speakers. Set to the EXT position for speakers connected to EXT SPEAKERS terminals.

(3) AC Input

Connect the supplied power cord's three-pin plug here.

(4) VIDEO 1

 $\begin{tabular}{ll} \begin{tabular}{ll} \beg$

S-VIDEO 1 IN Here is where you connect S-Video input from an external source like a VCR.

THROUGH OUT (BNC type) Connect to a second monitor's video input to relay the video signal input at VIDEO 1 IN.

THROUGH OUT (S-VIDEO) Connect to a second monitor's S-connector input to relay the video signal input at S-VIDEO 1 IN.

75 Ω /HiGH Impedance Select Switch for BNC type ... Set to 75 Ω " during normal operation. In multiple connections using VIDEO 1 IN and THROUGH OUT (BNC type) terminals, set to "HIGH" on all but the last monitor. Set to "75 Ω " on the last monitor only.

AUDIO R IN This is your right channel audio input for stereo sound.

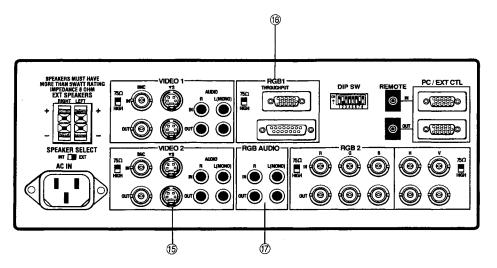
AUDIO L IN (MONO) This is your left channel audio input for stereo sound coming from video equipment or audio system. It also serves as the mono audio input.

AUDIO R THROUGH OUT Connect to a second monitor's right channel audio input.

 $\ensuremath{\textbf{AUDIO L THROUGH OUT}}$ Connect to a second monitor's left channel audio input.

= 6 =

Terminal Board



® VIDEO 2

VIDEO 2 IN (BNC type).... Connect another VCR or laser disk player here to display the video.

S-VIDEO 2 IN Connect S-Video input from another external source like a VCR.

THROUGH OUT (BNC type) Connect to a second monitor's video input to relay the video signal input at VIDEO 2 IN.

THROUGH OUT (S-VIDEO) Connect to a second monitor's S-connector input to relay the video signal input at S-VIDEO 2 IN.

75 Ω /HIGH Impedance Select Switch for BNC type Set to "75 Ω " during normal operation. In multiple connections using VIDEO 2 IN and THROUGH OUT (BNC type) terminals, set to "HIGH" on all but the last monitor. Set to "75 Ω " on the last monitor only.

AUDIO R IN This is your right channel audio input for stereo sound.

AUDIO L IN (MONO)...... This is your left channel audio input for stereo sound coming from video equipment or audio system. It also serves as the mono audio input.

AUDIO R THROUGH OUT Connect to a second monitor's right channel audio input

AUDIO L THROUGH OUT Connect to a second monitor's left channel audio input.

@ RGB 1 (MultiCable)

RGB Input/Throughput Attach either end of the MultiCable to a computer, and then attach the other end to either of these two connectors. You can then use the remaining connector, if you wish, to output the computer signal to a monitor. (If you do use a second monitor, turn the monitor switch to "on.") Either connector can be used for input or output, however they cannot both be used for input simultaneously. It can damage your computer.

75 Ω /HIGH Impedance Select Switch This switch should be "75 Ω " for normal use without external termination or when your RGB signal should be terminated with 75 Ω . Switch to the "HIGH" position when you have another monitor attached to your RGB through-put connector.

77 RGB AUDIO

AUDIO R IN This is where you connect RGB right audio output from a computer or another RGB source.

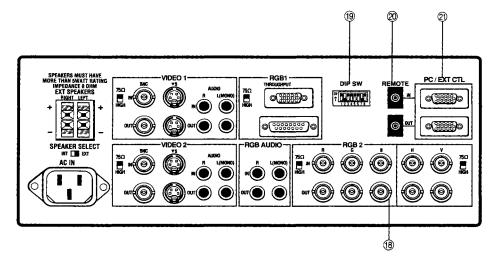
AUDIO L IN(MONO) ... This is where you connect RGB left audio output from a computer or another RGB source.

AUDIO R THROUGH OUT Connect to a second monitor's RGB right audio input.

AUDIO L THROUGH OUT Connect to a second monitor's RGB left audio input.

___ 8 __

Terminal Board



® RGB 2

R, G, B, H and V IN (BNC) These are analog RGB input terminals. Connect external components with R, G, B, H, and V output terminals to these analog RGB input terminals. Be sure that the RGB connection cable is correctly attached to the corresponding terminals.

R, G, B, H and V THROUGH OUT (BNC) Connect to a second monitor's RGB inputs to relay the RGB signal inputs at R, G, B, H, and V IN.

75 Ω /HIGH Impedance Select Switches for RGB and HV Set to "75 Ω " during normal operation. In multiple connections using R, G, B, H and V IN and OUT terminals, set to "HIGH" on all but the last monitor. Set to "75 Ω " on the last monitor only.

(9) DIP Switch

DIP SW..... This DIP switch sets Sync. Control, the Intelligent Power Manager, external control on/off, remote control on/off, and OSM system control on/off. See pages 17 and 18 for more details.

® REMOTE IN/OUT

Connect the optional remote cable, included with the optional remote control, to the REMOTE IN terminal. The REMOTE OUT terminal is used to connect several monitors together and allows all of the monitors to be controlled by one remote control.

NOTE: Up to 50 monitors can be connected in the serial connection.

② PC/EXT CTL IN(D-Sub 15-pin)

This terminal is used when power ON/OFF, input selection, AUDIO MUTE, PICTURE MUTE, and DEGAUSS are operated externally (by external control). See also page 43 for external control port pin assignments. You can also use this connector to connect your PC to control the MultiSync XP29 Plus/XM29 Plus monitor. This allows you to utilize your PC and serial communication protocol to control the monitor.

NOTE: Select EXT. CONTROL ON by setting pin No. 6 of DIP SW to the ON position when operating the monitor by external control.

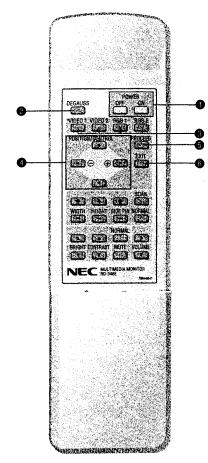
NOTE: When in the EXT. CONTROL mode, the following operations of the supplied wireless remote control are not possible: Power control ON/ OFF, Input selection, and Degauss switch ON/OFF.

PC/EXT CTL OUT (D-Sub 15-pin) Connect to a second monitor's PC/EXT CTL input to relay the signal input at the PC/EXT CTL IN. The PC/EXT CTL OUT terminal is used to connect several monitors together and allows all of the monitors to be controlled by one external control. No. 6 pin (EXT. CONTROL) of DIP SW must be set to the ON position on all of the monitors.

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Remote Control Unit



NOTE: When not in use the remote control unit is conveniently stowed in the holder on the rear panel.

POWER ON/OFF

Press POWER ON to turn the monitor on when the STANDBY/POWER indicator is lit red.

Press POWER OFF to turn the monitor off and the monitor will go into the standby condition.

DEGAUSS

Press to demagnetize the picture tube in the manual operation. See also page 27.

nput Select

VIDEO 1 Press to select an NTSC, PAL, SECAM or M-NTSC compatible video source from a VCR, laser disc player, document camera, or an S-Video source from a VCR connected to the VIDEO 1 IN terminal.

VIDEO 2 Press to select an NTSC, PAL, SECAM or M-NTSC compatible video source from a VCR, laser disc player, document camera, or an S-Video source from a VCR connected to the VIDEO 2 IN terminal.

RGB 1 Press to select an RGB video source from a computer connected to the RGB 1 IN terminal.

RGB 2 Press to select an RGB video source from a computer, NEC scan converter or document camera connected to the RGB 2 IN terminal.

OSM Control

POSITION/CONTROL

POSITION(▲▼◀▶) Adjusts the vertical position of the image up and down, and the horizontal position of the image from left to right.

CONTROL (+/-)..... Moves the bar in the + or - direction to increase or decrease the adjustment in an OSM menu.

CONTROL(▲ / ▼) .. Select one of the controls in an OSM menu. Press ▲ to select a higher item in the menu; press ▼ to select a lower item in the menu.

PROCEED

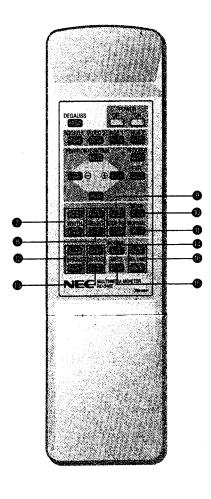
Press to access OSM. When an adjustment item is selected, a press of this button returns to its icon selection screen.

@ EXIT

Press to exit the OSM mode.

NOTE: The direct keys such as BRIGHT, CONTRAST, WIDTH, HEIGHT, SIDE PIN can access each control while in the OSM mode.

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Raster Control

● WIDTH (+ / -)

Adjusts the horizontal size of the image.

@ HEIGHT (+ / -)

Adjusts the vertical size of the image.

• SIDE PIN (+/-)

Adjusts the curvature of the edges of the left and right side of the display image either inward or outward. The image should be adjusted to attain a straight line on the left and right sides.

O SCAN SELECT

Each time this key is pressed, the picture size switches from OVER SCAN for large size to UNDER SCAN for small size and vice versa. Normally select OVER SCAN for video display and UNDER SCAN for RGB display.

M NORMAL

This key resets the raster adjustment settings of user changeable memory and recalls the factory preset data.

Visual Control

BRIGHT (▲/▼)

Adjusts the overall image and screen brightness.

Press and hold A for a brighter picture.

Press and hold ▼ for a darker picture.

CONTRAST (▲ / ▼)

Adjusts the image brightness in relation to the background.

Press and hold \blacktriangle for higher contrast.

Press and hold lacktriangledown for lower contrast.

NOTE: The VISUAL CONTROL storing operation is effective only for one input (VIDEO1, VIDEO 2, RGB 1 or RGB 2).

M NORMAL

This key resets the visual control settings and recalls the factory preset data.

NOTE: The brightness and contrast adjustment level are factory preset at the optimum position.

⊕ MUTE

Press to cancel sound; press again to restore sound.

NOTE: The other ways to restore sound are to press POWER OFF, then ON or to press VOLUME keys on the remote control unit.

◆ VOLUME (▲/▼)

Adjusts the volume.

Press and hold A to increase sound.

Press and hold ♥ to decrease sound.

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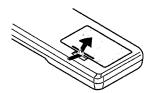
= 13 ===

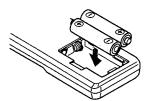
= 15 ==

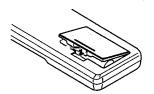
Battery Installation and Replacement

The remote control is powered by two 1.5V AA batteries.

- Turn the remote control unit upside down. Press down on the battery compartment grip and slide the compartment in the direction of the arrow.
- Install the two new batteries, making sure that their polarity matches the (+)
 (-) diagrams inside the battery compartment. Incorrect polarity could damage the remote control unit.
- 3. Close the battery compartment cover.





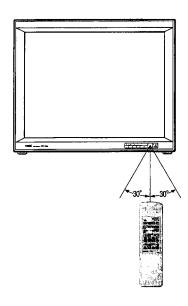


Remote Control Cautions

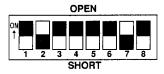
- Do not drop or mishandle the remote control unit.
- Do not get the remote control unit wet. If the remote gets wet, wipe it dry immediately.
- Avoid heat and humidity.
- When not using the remote control unit for a long period, remove the batteries.
- Do not use new and old batteries together, or use different types of batteries together.
- Do not take apart the batteries, heat them, or throw them into a fire.

Operating Range

- The infrared signal operates by line-of-sight up to a distance of approximately 22 feet/7 m and within a 60 degree angle of the remote sensor of the monitor.
- The monitor will not function if there are objects between the remote control
 and the sensor or if strong light falls on the sensor. Weak batteries will also
 prevent the remote control from properly operating the monitor.



Functions of DIP SW



Functions and Settings of DIP SW

This DIP switch is used for Sync. Control, Intelligent Power Manager, External control, wireless control, and OSM control. To change a switch setting use a pointed object, such as a pen or pencil, to push the switch to the desired position.

Set all the pins except No. 2 and 7 to the OFF/OPEN position during normal operation.

The pins nos 3 and 5 are not used.

Pin No 1 and 2(Sync. Control)

The No. 1 and 2 pins set Sync, Control.

Set the No. 1 pin to the OFF/OPEN position and the No. 2 pin to the ON/SHORT position during normal operation. The monitor automatically determines if the input signal is separate sync, composite sync or sync on green signal in this order.

Pin No. 4 (Intelligent Power Manager)

This function saves power.

When Intelligent Power Manager control is on, by using the monitor's horizontal and vertical SYNC signals, the monitor can be prompted into the different IPM modes. The following is the description of the LED indicator for the IPM power saving modes:

Mode	LED indicator	Power Saving
On	Green	None
Standby	Red (Steady)	None
Standby	Amber(Blinking quickly)	Minimum
		(Quickest recovery)
Suspend	Amber(Blinking moderately)	Moderate
		(EPA<30 watts, Moderate recovery)
Off	Amber(Blinking slowly)	Maximum
		(EPA<30 watts, Slowest recovery)
Power Off	No Light	No Power Used (Fully Off)

NOTE: The Intelligent Power Manager works only for the RGB input. If selecting the VIDEO input, or when connecting to no signal source, the Intelligent Power Manager does not work.

Set the No. 1 pin to the ON/SHORT position when sync on green signals are necessary for synchronization with an external component.

When a composite signal is present, the picture may be distorted. If this happens, set the No.2 pin to the OFF/OPEN position.

Pin No. 6 (EXT. CONTROL)

When this switch is set to ON/SHORT, the External Control function is activated. See page 43 for pin assignments. If you have some monitors you do not want to control by remote, set to OFF/OPEN.

PIn No. 7 (REMOTE ON/OFF)

When this switch is set to ON/SHORT, the monitor can be controlled by the wireless remote control unit.

Pin No. 8 (OSM System Control Menu ON/OFF)

When this switch is set to ON/SHORT, the system control menu is displayed. In this menu the following features are enabled:

Power on mode set(POWER ON MODE)

Front control key on/off(KEY CONTROL)

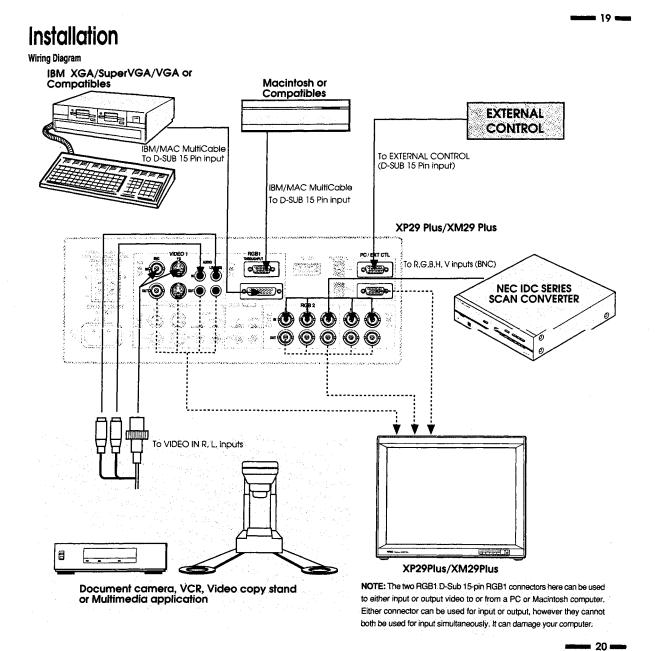
Language selection(LANGUAGE)

Video mode(auto/manual) selection(VIDEO MODE)

OSM on/off(OSM ON/OFF)

PC-control on/off(PC-CONTROL)

For the setting procedures to set the items, see page 39.



Connecting Your PC or Macintosh Computer

Connecting your PC or Macintosh computer to your MultiSync XP29 Plus/ XM29 Plus via the MultiCable connection system will enable you to display your computer's screen image. All of these following display standards are supported:

VGA 640 x 480 for graphics, VGA 640 x 400 for graphics, VGA 640 x 350 for graphics, VGA 720 x 400 for text, VGA 720 x 350 for text, SuperVGA 800 x 600, and XGA 1024 x 768, 1280x1024 standards above 60 Hz such as Sun, Silicon Graphics, HP, workstation standards; Macintosh at 640 x 480, 832 x 624, 1024 x 768, and 1152 x870(XP29 Plus only).

To connect to a PC, Macintosh or computer equipped with a XGA/SuperVGA/VGA adapter or compatible graphics adapter, simply:

- 1. Turn off the power to your monitor and computer.
- 2. If your PC does not support Super XGA/VGA/VGA you will need to install an XGA/SuperVGA/VGA graphics board. Consult your computer's owner's manual for your XGA/SuperVGA/VGA configuration. If you need to install a new board, see the manual that comes with your new graphics board for installation instructions.
- 3. Use the supplied MultiCable to connect your computer to the monitor. For a PC, use the smaller 15-pin connector on the cable to connect to your computer's video port; use the larger 15-pin connector on the cable to connect to the monitor. For Macintosh, it's just the opposite. Use the larger 15-pin connector on the cable to connect to your computer's video port; use the smaller 15-pin connector on the cable to connect to the monitor. (You can also use your own video cable if you wish. For a PC cable, use the smaller 15-pin connector on the monitor. For a Macintosh cable, use the larger 15-pin connector on the monitor.)
- 4. Turn on the monitor and the computer.

NOTE: Refer to your computer's owner's manual for more information about your computer's video output requirements and any special identification or configuring your monitor's image and monitor may require.

Connecting Your VCR or Laser Disc Player

Using a common RCA cable and RCA audio cables (not provided) to connect your VCR or laser disc player to your MultiSync XP29 Plus/XM29 Plus monitor. To make these connections, simply:

- 1. Turn off the power to your monitor and VCR or laser disc player.
- 2. Connect one end of your RCA video cable to the video output connector on the back of your VCR or laser disc player, connect the other end to the VIDEO 1 or 2 input terminal(BNC-type) of the monitor. NOTE: You will need an RCA to BNC adaptor (not included) to convert to the XP29Plus/XM29Plus monitor. Use standard RCA audio patch cords to connect the audio from your VCR or laser disc player to your monitor (if your VCR or laser disc player has this capability). Be careful to keep your right and left channel connections correct for stereo sound.
- 3. Turn on the monitor and the VCR or laser disc player.

NOTE: Refer to your VCR or laser disc player owner's manual for more information about your equipment's video output requirements.

NOTE: S-VIDEO IN terminals will take preference over VIDEO IN terminals when a component is connected to each terminal and VIDEO 1 or 2

Connecting Your Document Camera

You can connect your MultiSync XP29 Plus/XM29 Plus monitor to a document camera. To do so, simply:

- 1. Turn off the power to your monitor and document camera.
- Use a standard video cable to connect your document camera to the VIDEO 1 or 2 input terminal(BNC-type) of the monitor.
- 3. Turn on the monitor and the document camera.

NOTE: Refer to your document camera's owner's manual for more information about your camera's video output requirements.

Connecting Your NEC IDC Series Scan Converter

You can connect an NEC IDC series scan converter to the monitor to improve the quality of your video images. To do so:

- 1. Turn off the power to your monitor and scan converter.
- Use a cable (RGB HV 5 conductor BNC/BNC) supplied with the scan converter to connect the RGB 2 inputs of the monitor.
- 3. Turn on the monitor and the scan converter.

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Daisy-chaining Your monitors

The REMOTE IN/OUT terminals allow you to control monitors by one remote control.

NOTE: The connection of three XP29 Plus/XM29 Plus monitors or more with THROUGH OUT (VIDEO 1, VIDEO 2, RGB 1 or RGB 2) terminals may degrade image quality.

To do so:

When using the VIDEO inputs:

THROUGH OUT (VIDEO 1) Connections

- Connect THROUGH OUT 1 BNC or S-VIDEO 1 OUT to external components to relay the signal input at VIDEO 1 IN(BNC-type), or S-VIDEO 1 IN.
- Connect the external component mono audio or stereo left channel audio input to L AUDIO.
- Connect the external component stereo right channel audio input to R AU-DIO.
- 4. Set the 75 Ω /HIGH impedance select switch of the corresponding input signal (BNC, S-VIDEO) on all but the last monitor to "HIGH" position. On only the last monitor is set to "75 Ω " position.

THROUGH OUT (VIDEO 2) Connections

- Connect THROUGH OUT 2 BNC or S-VIDEO 2 OUT to external component to relay the signal input at VIDEO 2 IN(BNC-type) or S-VIDEO 2 IN.
- Connect the external component mono audio or stereo left channel audio input to L AUDIO.

- Connect the external component stereo right channel audio input to R AU-DIO.
- 4. Set the 75Ω/HIGH impedance select switch of the corresponding input signal (BNC, S-VIDEO) on all but the last monitor to "HIGH" position. On only the last monitor is set to the "75Ω" position.
- Connect the REMOTE OUT of the monitor to the REMOTE IN of the next monitor using the optional remote cable.

When using the RGB inputs:

THROUGH OUT Connections

- (RGB1): Connect D-Sub 15-pin THROUGH OUT to an RGB input connector of other monitors.
- (RGB2): Connect the R.G.B.H and V THROUGH OUT terminals to relay the signal input at the R.G.B.H and V IN terminals.
- 2. Set all the 75Ω /HIGH impedance select switches on all but the last monitor to "HIGH" position. On only the last monitor is set to the " 75Ω " position.
- Connect the REMOTE IN of the monitor to the REMOTE OUT of the next monitor using the optional remote cable.

NOTE: "Plug and Play" is available only for the monitor connected directly to a personal computer with the D-Sub 15-pin RGB connector. Therefore, "Plug and Play" does not work for monitors connected with the THROUGH OUT terminal. This is because only the RGB video, the horizontal, and the vertical sync. signal is output from the THROUGH OUT terminals.

NOTE: "Plug and Play" is not available for the RGB 2 BNC terminals.

D-Sub 15 Pin RGB Signal Composition

Pin Assignments and Signal Levels for 15 pin RGB (Analog)



D-SUB 15pin RGB Input Connector (ANALOG ONLY)

Pin No.	Signal to be connected (D-SUB 15 pin)
1	RED
2	GREEN or Sync Green
3	BLUE
12	No Connection
13	H. or Composite sync
14	V.SYNC
15	No Connection
4	GND
5	GND
6	GND
7	GND
8	GND
11	GND
10	No Connection
9	No Connection



Pin No.	Through autout (MAC 15 min)
PIN NO.	Through output (MAC 15 pin)
2	RED
5	GREEN or Sync Green
9	BLUE
7	SDA (PnP)
3	H. or Composite sync
12	V.SYNC
15	SCL (PnP)
1	GND
4	GND
6	GND
11	GND
13	GND
8	No Connection
10	No Connection
14	No Connection

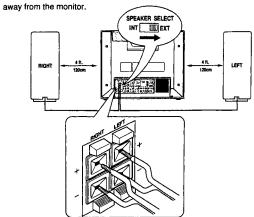
External Speaker Connections

External speakers may be connected to the monitor to reproduce sound from VIDEO 1, VIDEO 2, RGB 1 or RGB 2 signal sources.

External speakers may be connected directly to the EXTERNAL SPEAKERS terminals or indirectly by connecting a stereo system amplifier to the audio outputs.

WARNING: Speakers that are installed next to the monitor must be shielded against electromagnetic radiation which can cause color distortion in the CRT and is not covered under the warranty.

If non-shielded speakers are used, they must be located a minimum of 4 feet

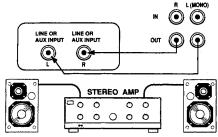


CAUTION: Unplug the monitor and all connected components before connecting external speakers. Use only speakers with 8-ohm impedance and a power output rating of 5 watts or more.

To connect external speakers directly to the monitor:

- 1. Strip the ends of the speaker wires.
- Press down a button below the EXTERNAL SPEAKERS terminals, insert the speaker wire and release the button to secure a speaker wire connection:
 - [a] Connect the right speaker (located at right side of the monitor when viewed from the front) positive (+) wire to RIGHT +.
 - [b] Connect the right speaker negative (-) wire to RIGHT -.
- [c] Connect the left speaker negative (-) wire to LEFT -.
- [d] Connect the left speaker positive wire (+) to LEFT +.
- 3. Set SPEAKER SELECT switch at EXT.

VIDEO or RGB AUDIO L and R outputs of XP29Plus/XM29Plus



To connect the monitor to stereo system speakers:

- 1. Connect L AUDIO output to the stereo amplifier L AUX input.
- 2. Connect R AUDIO output to the stereo amplifier R AUX input.
- Set SPEAKER SELECT switch at EXT to use external speakers only. For center channel audio fill, set SPEAKER SELECT at INT for sound from both monitor and external speakers.

IMPORTANT: Do not connect speakers to both the monitor EXTERNAL SPEAKERS terminals and to the stereo amplifier. This could damage both the monitor and the speakers.

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Operation

This section describes how to select a computer or video source and how to adjust the picture and sound.

General Controls

Before you turn on your MultiSync XP29 Plus/XM29 Plus monitor ensure that the computer or video source is turned on.

To adjust:

1. Turn On The Monitor

The power button is on the front panel of the monitor. By turning this switch on, the STANDBY/POWER indicator will turn to green and the monitor will become ready to use. OSM is also usable from the front bezel.

After you press the POWER OFF button on the remote control, the monitor will go into its standby mode and the STANDBY/POWER indicator will glow red. Select The Computer Or Video Source

Press the "VIDEO 1" or "VIDEO 2" (VCR, document camera, or laser disc player), or "RGB 1" or " RGB 2"(computer) button on the remote control to display the image. Or press the button on the front panel to select your video source: "VIDEO 1", "VIDEO 2", "RGB 1", or "RGB 2".

NOTE 1: In the U.S.A. the standard video signal format is NTSC, therefore make sure that the AUTO or NTSC is selected on OSM system control menu. See page 40.

NOTE 2: Select the over scan mode for VIDEO display.

3. Adjust The Raster or The Picture Control.

You can adjust the raster such as the horizontal size, vertical size or side pincushion correction, and the brightness and contrast of the image with the remote control.

4. Turning Off The monitor.

Press the POWER OFF button on the remote control or press the POWER button on the front panel.

Degaussing

The earth's magnetic field and other magnetic sources can magnetize a color picture tube causing patches of impure colors. This monitor automatically demagnetizes the picture tube for 5 seconds each time the monitor is switched on. Sometimes during transportation a severe magnetic field can be encountered which may require demagnetizing to clear the problem. Also, if powered on for extended periods of time, magnetic fields can be produced by the CRT itself, causing color impurities. In these cases, use the DEGAUSS key once to demagnetize the picture tube. Pressing this key once demagnetizes the picture tube for 5 seconds.

CAUTION: Please allow a minimum of 30 minutes to elapse between uses of the DEGAUSS key, when not switching from mode to mode. Do not hold the key down continuously to avoid decreasing the life of the degauss circuitry.

Using OSM Controls

NEC's new OSM, or On-Screen Manager, System offers the ultimate form of monitor controls. Keys on the remote control unit or front bezel allow you to easily navigate through menus and adjust controls.

OSM controls include extended controls such as Brightness, Contrast, Size. Position, Pin cushion, Keystone, Vertical Linearity, Scan Select and other OSM utilities. Adjustments are saved instantly. The currently addressed control can be reset to factory settings by pressing the NORMAL key.

OSM keys on the remote control unit function as follows:

PROCEED

: accesses the OSM controls. When an adjustment item is selected, a press of this button returns to its icon selection screen. -in the color temperature: proceeds to the

control for RGB gain and bias.

EXIT

: exits the OSM controls.

-in the RGB gain and bias: return to the color

temperature screen.

POSITION CONTROL-/+

POSITION CONTROL up/down : selects one of the control items. : increase or decrease the settings level.

> : selects a group icon at top of the OSM screen when any one of them is highlighted without

any specific control selected.

NORMAL (RASTER/VISUAL) : resets the currently selected control to the factory setting.

> -when a specific group icon is highlighted, this key resets all the specific controls settings or all the settings.

> -when a specific control is selected: this key resets the selected adjustments.

NOTE: The NORMAL function is not valid in the OSM Turn Off Time, Language Select menus, and Volume Control.

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Direct Control Screen

You can adjust the raster, visual and sound using the direct key on the remote control.

To switch to another control screen, press any one of the other keys.

*To end the OSM display, press EXIT.

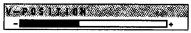
*If no key operation is made within 3 seconds, the OSM display will disappear.

a. POSITION/CONTROL

Press ▶ to move the image right. Press ◀ to move the image left.



Press ▲ to move the image up. Press ▼ to move the image down.

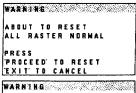


b. WIDTH

Press to adjust the horizontal size of the image.

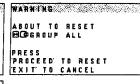


Press to reset all the stored adjustment raster data and recall the factory preset data. When a specific control is selected, this key resets the selected raster adjustments.



PROCEED TO RESET

f. NORMAL (raster)



PROCEED TO RESET
EXIT TO CANCEL

WARNING
ABOUT TO RESET
H-POSITION

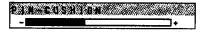
c. HEIGHT

Press to adjust the vertical size of the image.



d. SIDE PIN

Press to adjust the curvature of the edges of the left and right side of the display image either inward or outward. The image should be adjusted to attain a straight line on the left and right sides.



e. SCAN

Press to select the scan mode: over scan and under scan.



g. BRIGHT

Press to adjust the brightness of video display.



h. CONTRAST

Press to adjust the contrast of video display.

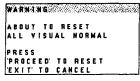


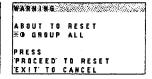
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I. NORMAL(visual)

Press to reset all the stored adjustment visual data and recall the factory preset data. When a specific control is selected, this key resets the selected visual adjustments.







j. MUTE

Press to turn off the sound for a short period of time; press again to restore the sound.



k. VOLUME

Press ▲ to increase the sound: press ▼ to decrease the sound.



NOTE:

When pressing a key that does not correspond to the function currently in use, the following message will be displayed on the monitor.

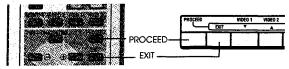


Accessing OSM

Press the PROCEED key on the remote control or front bezel.

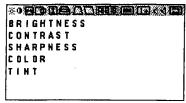
To turn off OSM

Press the EXIT key on the remote control or front bezel.



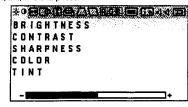
OSM Menus

On-Screen Manager's menu of Controls gives you an overview of the selection of controls available.



Visual Controls Group

The visual controls allow you to adjust the picture controls such as brightness, contrast, color, tint, and sharpness.



BRIGHTNESS: Pressing + or - increases or decreases the image brightness level.

CONTRAST : Pressing + or - increases or decreases the image contrast level.

SHARPNESS : Pressing + or - increases or decreases the image sharpness level.

COLOR : Pressing + or - increases or decreases the image color saturation level

TINT : Pressing + or - increases or decreases the red and green values.

NOTE: The color, tint and sharpness controls are not available for RGB input, and the tint is not available for PAL input.

NOTE: Pressing the visual NORMAL key resets all the visual controls to the factory settings when only the visual controls group icon is highlighted.

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H-position/H-width/Pin-cushion Controls Group

The H-position/H-width/Pin-cushion Controls allow you to adjust the horizontal position, horizontal size and pin-cushion of the image.

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H-POSITION : Pressing + or - moves the image horizontally right or left.

H-WIDTH : Pressing + or - decreases or increases the horizontal size of

the image (wider or narrower).

 $\mbox{\bf PIN-CUSHION}: \mbox{\bf Pressing + or - decreases or increases the curvature of the}$

sides either inward or outward.

 $\label{eq:pin-balance} \textbf{PIN-BALANCE}: \textbf{Pressing + or - decreases or increases the curvature of the}$

sides to right or to left.

PIN-CORNER : Pressing + or - decreases or increases the curvature of the four

corners inward outward.

V-position/V-height/V-linearity Controls Group

The V-position/V-height/V-linearity Controls allow you to adjust the vertical position, vertical size and vertical linearity of the image.

※予記のほ合/公文を記録を記録を記録 V-POSITION V-HEIGHT V-LINEARITY1 V-LINEARITY2



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V-POSITION : Pressing + or - moves the image vertically up or down.

V-HEIGHT : Pressing + or - increases or decreases the vertical size of the

image (taller or shorter).

V-LINEARITY 1 : Pressing + increases the spacing between the lines near the

top and decreases the lines near the bottom at the same time; pressing - increases the spacing between the lines near the bottom and decreases the lines near the top at the same time.

V-LINEARITY 2 : Pressing + or - increases or decreases the spacing between

the lines near the top of your screen and near the bottom of

your screen at the same time.

NOTE: The V-LINEARITY controls allow you to adjust the spacing of the areas on the screen. The object of this control is to ensure that a one-inch circle is a true one-inch circle where ever it is drawn on the screen.

- draw equally spaced horizontal lines using a drawing application that has a ruler.
- use the V-LINEARITY 1 and 2 controls to adjust the spacing between the lines near the top and the bottom of your screen.

Keystone/Tilt/Rotation/Scan Select Controls Group

The Keystone/Tilt/Rotation/Scan Select Controls allow you to adjust the raster rotation or angle of the sides of your display and to select either Under Scan (for RGB display) or Over Scan (for VIDEO display).





KEYSTONE (trapezoidal) : Pressing + or - increases or decreases the bottom of

the screen to be the same as the top.

TILT : Pressing + or - increases or decreases the tilt of your

display.

 $\textbf{ROTATION (raster rotation)} \quad : \ Pressing + or - rotates the \ entire \ display \ clockwise \ or \\$

counter clockwise.

SCAN SELECT : Pressing + or - selects the over scan mode or the

under scan mode.

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RGB Controls Group

The RGB Controls allow you to adjust the color temperature, high contrast and the white balance for RGB input.

COLOR TEMP.

COLOR TEMP.
HIGH CONTRAST

1 2 3 10 600 K
PRESS PROCEED FOR
R68 GAIN/BIAS SETTINGS

COLOR TEMP.
HIGH CONTRAST
AUTO MODE1 MODE2

COLOR TEMP. : Pressing + selects the color temperature: 10500 K, 9300K, 6500K or custom.

HIGH CONTRAST: Pressing + or - selects one of the three modes: AUTO,

MODE1, or MODE2.

Normally set to AUTO. MODE1 is used for the higt contrast mode. This mode is recommended for graphics display.

MODE2 is used for the wide video band mode. This mode is recommended for text display.

AUTO automatically selects either the high contrast mode for horizontal frequencies of less than 40 kHz, or the wide band video mode for 40 kHz or over.

R-GAIN(WHITE LEVEL)
G-GAIN(WHITE LEVEL)
R-GAIN(WHITE LEVEL)
R-BIAS(BLACK LEVEL)
G-BIAS(BLACK LEVEL)
B-BIAS(BLACK LEVEL)



Pressing the PROCEED key proceeds to the RGB gain and bias adjustment. This adjustment allows you to adjust the white balance.

R, G, B-GAIN: Pressing + or - increases or decreases the gain level for each color.

R, G, B-BIAS: Pressing + or - increases or decreases the bias level for each color.

OSM Location/OSM Turn Off Time Control

You can choose where you would like OSM image to appear on your screen. Selecting OSM location allows you to manually adjust the OSM menu left, right, up, or down. The OSM menu will stay on as long as it is in use. In the OSM Turn Off Time submenu, you can select how long the monitor waits after the last touch of a key to shut off the OSM menu. The preset choices are 5, 10, 30, and 120 seconds. Note that 30 seconds is the factory preset.

東外日本教会 本の日本 DSM H-POSI DSM Y-POSI DSM TURN OFF TIME OSM H-POSI : Pressing + or - moves the OSM menu right or left.

OSM V-POSI : Pressing + or - moves menu up or down.

 $\textbf{0SM TURN OFF TIME}: \ Pressing + or - selects \ the \ preset \ time \ in \ increasing \ or$

decreasing order.

Source Information

Source Information provides you information about the current resolution display and technical data including the horizontal and vertical frequency.

NOTE: These adjustments are for RGB mode only.

祭4日本内本の公開を画 日本本 Source Info. Yideo1 NTSC 4.43

*9 8CP 106		(PH)	30	٠	M	Œ.
SOURCE	INFO.					
R G B 1						
H-FREQ		7	0.	0 K	H	Z
V-FREQ		7	0.	0 H	Z	
H-POL		H	E G			
Y-PBL		N	E G			

H-FREQ: indicates the horizontal frequency of the current input signal.

V-FREQ: indicates the vertical frequency of the current input signal.

H-POL: indicates the polarity of the horizontal sync. signal.

V-POL : indicates the polarity of the vertical sync. signal.

NEG: indicates the polarity is negative.

POS : indicates the polarity is positive.

Volume Control

The Volume control allows you to adjust the volume.



VOLUME: Pressing + or - increases or decreases the volume.

NOTE: When you mutes the sound, the MUTE display appears.

Reset Control

The Reset control allows you to return image parameters to factory presets. All Raster Settings

AN POLICE OF THE RESET OF THE R

The above warning statement will appear to confirm that you do want to reset all raster settings. If you want to reset all raster settings, press PROCEED.

The following items can be reset:

H-POSI, H-WIDTH, PIN-CUSHION, PIN-BALANCE, PIN-CORNER, V-POSI, V-HEIGHT, V-LIN1, V-LIN2, KEYSTONE, TILT and ROTATION.

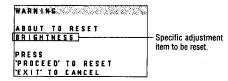
Ali Visual Settings

ALL RASTER NORMAL
ALL VISUAL NORMAL
ALL NORMAL
PRESS
'PROCEED' TO RESET

The above warning statement will appear to confirm that you do want to reset all visual settings. If you want to reset all visual settings, press PROCEED. The following items can be reset:

BRIGHTNESS, CONTRAST, COLOR, TINT, SHARPNESS, COLOR TEMP., R-GAIN, G-GAIN, B-GAIN, R-BIAS, G-BIAS, and B-BIAS.

Specific Item Settings



The above warning statement will appear to confirm that you do want to reset individual settings.

NOTE:

- In addition to OSM controls, adjustments can be directly accessed with the remote control keys. When adjusting with the remote control keys, the onscreen display for the related adjustment appears instead of the OSM menu.
- When OSM ON/OFF is set at OFF in the System Control menu(see below), OSM controls are not available while the remote control direct access is possible.

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OSM System Control Menu

The OSM System control menu allows you to set a various conditions of the monitor.

NOTE: This control is available only when No. 8 pin of the DIP switch is set at the ON position. The DIP switch is located on the back cabinet.

SYSTEM COMMODE
POWER ON MODE
KEY CONTROL
LANGUAGE
VIDEO MODE
DSM ON/OFF
PC-CONTROL

OSM keys on the remote control unit function as follows:

POSITION CONTROL up/down: highlights one of the control items in the System

control menus.

POSITION CONTROL +
POSITION CONTROL -

: proceeds to the selected menu choice.

exits the current control and returns to its

POWER ON MODE

each time the monitor is turned on.

original System control menus.

EXIT

: exits the OSM controls.

This control allows you to set the monitor to default to any one of its inputs

SYSAEM CONTROL

POWER ON MODE

▼VIDE 0 2
■RGB1
■RGB2

LANGUAGE

OSM windows have the following elements:

Right-oriented delta symbol: indicates further choices are available. Use the

Left-oriented delta symbol : indicates that you can exit the current control.

control menus.

up or down keys to highlight the item. Pressing + proceeds to the selected control screen.

Pressing - returns you to its original System

OSM menus are available in six languages: English, German, French, Spanish, Italian, and Swedish.

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SYATEM E SYATES L
LANGUAGE

■ENBLISH

■DEUTSCH

■FRANÇAIS

■ESPAÑOL

■ITALIANO

■SVENSKA
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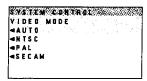
KEY CONTROL

This control allows you to disable the keys on the front panel such as PROCEED, EXIT, VIDEO 1, VIDEO 2, RGB 1, RGB 2, down, up, -, and +. If you accidentally hit any one of the buttons, it does not affect the monitor.



VIDEO MODE

This control allows you to select the NTSC, PAL, or SECAM video standard. Normally select AUTO.



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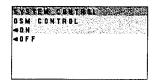
40 ----

OSM ON/OFF

This control allows you to enable the OSM control.

The OSM control is available when ON is selected. When the OSM does not

appear, the visual and raster controls are available with the remote control.



PC-CONTROL

This control allows you to activate the PC-control function. For more information see the following pages.

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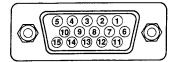
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PC/External Control Function

PC/External Control Port Pin Assignments



D-SUB 15pin (Input/Output)

Pin No.	Signal Name	
1	No Connection	
6	Receive Data	
2	No Connection	
7	Transimit Data	
11	No Connection	
12	Clear to Send	
3	No Connection	
8	Request to Send	
9	Ground	
4	Input Select	EXT-CTL
5	Input Select	EXT-CTL
10	Power ON/OFF	EXT-CTL
13	No Connection	
14	Degauss ON/OFF	EXT-CTL
15	Signal Ground	

NOTE: If EXT.CTL is set to ON, only EXT.CTL will be effective for the above functions.

If EXT.CTL is set to OFF, PC CTL will be effective. Pin No.8 is connected to pin No. 12.

External Control

Pin No.	4	5	10	14
VIDEO1	OPEN	OPEN	-	-
VIDEO2	GND	OPEN	-	.
RGB1	OPEN	GND	-	-
RGB2	GND	GND		
POWER OFF	-	-	OPEN	-
POWER ON		-	GND	
DEGAUSS OFF	-	-	-	OPEN
DEGAUSS ON	-	-	•	GND

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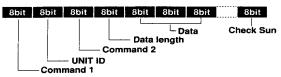
Command reference

You can control the main functions from external equipment such as personal computer using the PC/EXT CTL terminals. The following sections explain the interface.

Interface Condition

• RS-232C
Baud rate 9600 bps
Data length 8 bits
Parity Odd parity
• Stop bit 1 bit
Communications mode Full duplex

Control Data Format



Command 1	Code based on the command system
UNIT ID	Code allocated to each equipment (Allocate 80H to the
	XP29 Plus/XM29 Plus)
Command 2	Code allocated to the main functions of the XP29 Plus/XM29
	Plus
Data Length	Number of bytes of the data that is transmitted
Data	Data transmitted
Check Sum	Lower eight digits of sum total of the first byte to the byte
	immediately before the last.

Command Communication Sequence

When external equipment such as a personal computer gives the command to the XP29 Plus/XM29 Plus, the XP29 Plus/XM29 Plus returns an ACK. So make sure that the external equipment receives this ACK.

Command sending/receiving sequence



The XP29 Plus/XM29 Plus returns an ACK if it has received the command correctly.

If it has not received the command correctly due to data error, it will return nothing. Therefore, when the external equipment send a command, make sure that it received the ACK.

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PC CONTROL COMMAND LIST FOR USE WITH THE XP29 Plus/XM29 Plus

PC → XP29 Plus/XM29 Plus

COM1	COM2	Contents	Length
9F	4E	Power On	00
4F	Power Off	.00	
	A1	Degauss Control	00

Example: Input switching (VIDEO 1) from the PC to the XP29 Plus/XM29 Plus(when the address selector equals 0)

PC → XP29 Plus/XM29 Plus

COM1	UA	COM2	Length	Data 1	Data 2	Sum
DF	80	B0	02	00	VIDEO1:01	12
	_				VIDEO2 : 02	13
					RGB1 : 03	14
					BGB2 · 04	15

XP29 Plus/XM29 Plus → PC

COM1	COM2	Contents	Length
3F	4E	Power On (ACK)	_ 00
	4F	Power Off (ACK)	00
	BO	Input Switching (ACK)	00
7F	A1	Degauss Control(ACK)	01

XP29 Plus/XM29 Plus → PC

COM1	UA	COM2	Length	Data 1
3F	80	B0	00	6F

Troubleshooting

Before arranging for service by the NEC Service Center, check the following to be sure repairs are needed.

Problem	Possible Cause	Correction
No Picture or Sound	Power cord unplugged. Power outlet inactive. Power of external equipment is not ON. External equipment has been incorrectly connected. Incorrect input selection.	Plug in power cord. Be sure wall switch is on and outlet has power. Switch to ON or connect to an active AC outlet. Correct all connections. Press correct RGB1, RGB 2, VIDEO 1 or VIDEO 2 button.
Sound OK; poor picture with VIDEO signal input.	Improper control setting. Local interference. Cable interconnections. Input impedance is not correct level.	Adjust picture controls as needed. Try another location for the monitor. Be sure all connections are secure. Check 75 ohm high impedance select switch.
Sound OK; poor picture with RGB signal input.	Improper control setting. Incorrect 15 PIN connector pin connections,	Adjust picture controls as needed. Check pin assignments and connections.
Picture OK; poor or no sound.	Cable interconnections. Volume is not adjusted. Poor audio connections from external source. Improper control settings. MUTE key is ON.	Be sure all connections are secure. Adjust volume. Correct audio connections. Adjust volume controls. Press again to restore sound.
Poor sound from external speakers or stereo system speakers	Cable Interconnections. Improper volume setting.	Secure all cable connections. Check volume controls of all components.
Remote control does not work.	Weak batteries. Obstacle between Remote Control and Sensor Window. (Wireless) You are not within the effective operating range. (Wireless) Incorrect setting of No. 7 pin of the DIP SW. (Wireless) When in the EXT. CONTROL mode, the remote control unit will not operate the monitor.	Install new batteries. Point remote control directly at Sensor Window. Use the remote control unit within 30° left and right of center (at a distance of within 22ft). Set Pln no. 7 of DIP SW to ON/SHORT. Set Pln no.6 of DIP SW to OFF/OPEN.
STANDBY/POWER Indicator is blinking	Horizontal and/or vertical sync signal is not present when the Intelligent Power Manager control is on.	Check the input signal.

In the following case, power off the monitor immediately and contact your dealer or authorized NEC Service Center.

The monitor turns off in 5 seconds after powering on and then the STANDBY/POWER indicator blinks in one second intervals. It indicates that the power supply circuit or, one or more fans have been damaged.

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Specifications

Picture tube	27 inch Visual size; 29 inch CRT size (Diagonal), Type A68 108 degree deflection Stripe trio pitch Ph 0.60 mm at center, Ph 0.78 mm at corner/Pv 0.56 mm Invar mask, Medium-short persistence phosphor Anti-static electricity coating Optical filter coating Dynamic focus
RGB Input Terminals	RGB 1: D-SUB 15pin/mini D-SUB 15pin RGB 2: (R, G, B, H and V) : Video: Analog 0.7Vp-p/75 Ohms (Positive) : Sync.: Separate Sync. TTL level, 0.7 - 4.0Vp-p/75 OhmsRGB 2 only Horizontal Sync. (Positive/Negative) Vertical Sync. (Positive/Negative) : Composite Sync. TTL Level (Positive/Negative) : Composite Sync. On Green Video 0.3Vp-p (Negative)
RGB Output Terminals THROUGH OUT	RGB 1 : D-SUB 15 pin/mini D-SUB 15 pin RGB 2 : BNC (R, G, B, H and V)
Video input Terminals VIDEO 1/2 S-VIDEO (Video 1/2)	1.0Vp-p, 75 Ohms unbalanced (BNC-Jack), Composite video signal, Sync-negative. Y: 1.0Vp-p, 75 Ohms unbalanced, Sync-negative. C: 0.28Vp-p, 75 Ohms unbalanced, Color burst level.
Video Output Terminals THROUGH OUT (Video 1, 2) THROUGH OUT (S-VIDEO 1, 2)	1.0Vp-p, 75 Ohms unbalanced (BNC Jack), Composite video signal, Sync-negative. Y: 1.0Vp-p, 75 Ohms unbalanced, Sync-negative. C: 0.28Vp-p, 75 Ohms unbalanced, Color burst level.
Audio input Terminals VIDEO 1, 2 / RGB	Left (Mono) : 0.5 Vrms, high Impedance (PIn-Jack) Right : 0.5Vrms, high Impedance (PIn-Jack)
Audio Output Terminats THROUGH OUT	Left : 0.5 ± 0.1 Vrms, less than 22 K Ohms (Pin-Jack) Right : 0.5 ± 0.1 Vrms, less than 22 K Ohms (Pin-Jack)
External Control (IN/THROUGH OUT)	mini D-SUB 15pin (IN/THROUGH OUT)
SOUND Output Internal External	2.5W+2.5W (THD 10%) at 16 Ohm 5W+5W (THD10%) at 8 Ohm
Speaker	Oval type 9 X 5.5 cm 16 Ohm, 2pcs.
Display Colors	Analog Input: Unlimited colors
Synchronization Range	Horizontal: XP29Plus; 15.7/31 KHz to 95 KH XM29Plus; 15.7/31 KHz to 65 KHz (Automatically) Vertical:40 Hz to 120 Hz (Automatically)

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Maximum Resolution	RGB 1024(H) X 768(V) pixels VIDEO Horizontal: 500 lines /S-VIDEO Horizontal: 600 lines
Video Bandwidth	RGB: 60 MHz at-3dB (Note that source is RGB2 and in HIGH CONTRAST, MODE2 or AUTO at 40 kHz or over is selected.) VIDEO: 5 MHz at-3dB
Display Area	RGB : 95% Scan (Typically) VIDEO: 7% Overscan
Retrace Time	Horizontal: 15.75kHz; 10μsec, 31kHz <fh<66khz; 2.7μsec<br="" 3.6μsec,="" 66khz<fh;="">Vertical: 0.4 msec</fh<66khz;>
Current Rating	AC 100-120 V/220-240 V. 50/60 Hz
Power Consumption	XP29 Plus(XP-2990); 3.5 A (maximum) / XM29 Plus(XM-2960); 3.5A (maximum)
Dimensions	645(W) x 533(H) x 518(D) mm / 25.4(W)X21(H)X20.4(D) inches
Weight	53.5 kg / 118.0 lbs
Environmental Considerations	Operating Temperature : 0°C to 40°C Humidity : 0 to 90% Altitude : 0 to 10,000 feet Storage Temperature : -10°C to 50°C Humidity : 0 to 95%

Altitude : 0 to 45,000 feet

We segulations:

UL Approved (UL 1950)

CSA certified

Meets FCC class A requirements

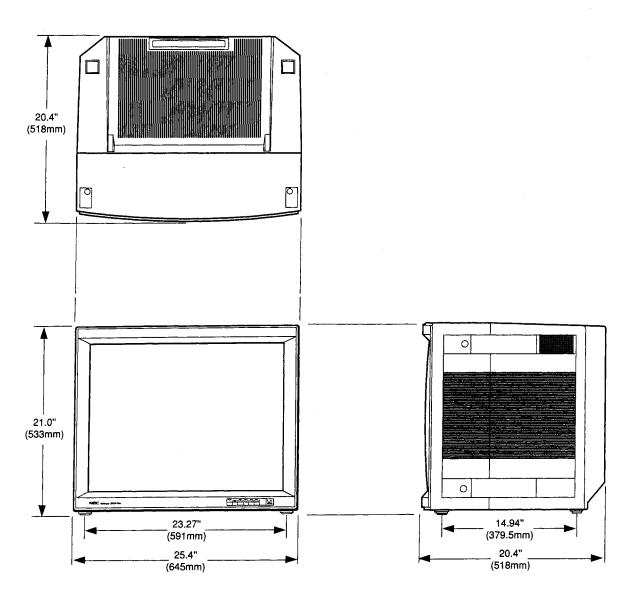
Meets DHHS requirements

Meets RED ACT

All specifications are subject to change without notice.

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Dimensions



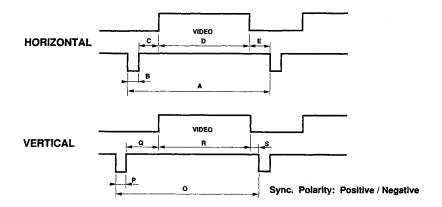
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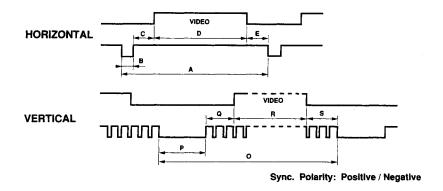
Timing Charts

Input Signal Reference Chart

Separate Sync.

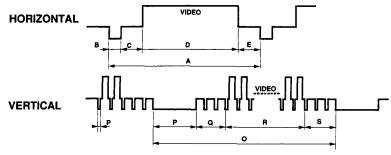


Composite Sync.



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Composite Sync. & Video (Sync. on Green)



Recommended Sync Signal Timing

Sync. Polarity: Negative

Horizontal Duty should be 3 to 30%.

Horizontal sync width should exceed 0.9 µsec.

Horizontal back porch should exceed 2.0 µsec at sync on green and 1.2 µsec at others except when at 15KHz.

Horizontal blanking should exceed: 15.75; 10µsec, 31KHz< fH<66KHz: 3.6 µsec, 66KHz<fH: 2.7 µsec.

Vertical Duty should be 0.2 to 10%.

Vertical sync width should exceed 40 μsec or 2 horizontal lines.

Vertical sync width plus back porch should exceed 0.4 msec.

Interlaced signals are not recommended.
Interlaced signals with composite sync may not be displayed.

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Typical Input Signal Timing

	V	SA Compatibl	е	XG	Mac II , Quadra, or LC Compatible		
Resolution	640×350	720×400	640×480	720×350	720×400	640×480	640×480
Horizontal Frequency	31.469KHz	31.469KHz	31.469KHz	39.444KHz	39.444KHz	39.375KHz	35.000KHz
(A) Horizontal Period	31.778µsөс	31.778µsec	31.778µsec	25.352µsec	25.352µsec	25.397µsec	28.570µsec
(B) Horizontal Pulse Width	3.813µsөс	3.813µsec	3.813µsec	3.042µsec	3.042µsec	3.048µsec	2.120µsec
(C) Horizontal Back Porch	1.589µsec	1.589µsec	1.589µsec	1.522µsec	1.522µsес	1.524µsec	3.170µsec
(D) Horizontal Active Area	26.058µsec	26.058µsec	26.058µsec	20.282μs o c	20.282µsec	20.317μsec	22.810µsec
(E) Hrizontal Front Porch	0.318µsec	0.318µsec	0.318µsec	0.508µsec	0.508µsec	0.508µsec	0.180µsөс

	VESA 640×480 at 72Hz	VESA 800×600 at 56Hz	VESA 800×600 at 60Hz	VESA 800×600 at 72Hz	MAC II & Quadra	8514/A & XGA Interlaced Compartible	VESA 1024×768 at 60Hz
Resolution	640×480	800×600	800×600	800×600	832×624	1024×768	1024×768
Horizontal Frequency	37.860KHz	35.156KHz	37.879KHz	48.077KHz	49.725KHz	35.587KHz	48.363KHz
(A) Horizontal Period	26.413µsec	28.444µsөс	26.400µsec	20.800µsec	20.111µsec	28.100µsec	20.677µsec
(B) Horizontal Pulse Width	1.270µsec	2.000µsec	3.200µsec	2.400µsec	1.117µsec	3.910µsec	2.092µsec
(C) Horizontal Back Porch	4.063µsec	3.556µsөс	2.200µsec	1.280µsec	3.910µsec	1,247µsөс	2.462µsec
(D) Horizontal Active Area	20.317µsec	22.222µsec	20.000µsec	16.000µsec	14.524µsec	22.760µsөс	15.754µsec
(E) Horizontal Front Porch	0.762µsec	0.667µsec	1.000µsec	1.120µsec	0.559µsөс	0.178µsec	0.369µsec

^{*}VGA, XGA, XGA-2, and 8514/A are the trademarks of International Business Machines Corporation.

^{*}Macintosh II, Quadra, and LC are the trademarks of Apple Computer Inc.

 $[\]hbox{$^\bullet$VESA is the trademark of a non-profit organization, Video Electronics Standards Association.}$

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	V	SA Compatibl	e	xo	Mac II , Quadra, or LC Compatible		
Resolution	640×350	720×400	640×480	720×350	720×400	640×480	640×480
Vertical Frequency	70.080Hz	70.080Hz	59.940Hz	87.850Hz	87.850Hz	75.000Hz	66.667Hz
(O) Vertical Perlod	14.268msec	14.268msec	16.683msec	11.383msec	11.383msec	13.333msec	15.000msec
(P) Vertical Pulse Width	0.064msec	0.064msec	0.064msec	0.051msec	0.051msec	0.051msec	0.090msec
(Q) Vertical Back Porch	1.716msec	0.890msec	0.793msec	1.496msec	0.862msec	0.813msec	1.110msec
(R) Vertical Active Area	11.504msec	13.156msec	15.762msec	8.873msec	10.141msec	12.190msec	13.710msec
(S) Vertical Front Porch	0.985msec	0.159msec	0.064msec	0.963msec	0.329msec	0.279msec	0.090msec

	VESA 640×480 at 72Hz	VESA 800×600 at 56Hz	VESA 800×600 at 60Hz	VESA 800×600 at 72Hz	MAC II & Quadra	8514/A & XGA Interlaced Compartible	VESA 1024×768 at 60Hz
Resolution	640×480	800×600	800×600	800×600	832×624	1024×768	1024×768
Vertical Frequency	72.809Hz	56.250Hz	60.317Hz	72.187Hz	74.550Hz	86.960Hz	60.000Hz
(O) Vertical Period	13.735msec	17.778msec	16.579msec	13.853msec	13.414msec	11.499msec	16.667msec
(P) Vertical Pulse Width	0.079msec	0.057msec	0.106msec	0.125msec	0.060msec	0.112msec	0.124msec
(Q) Vertical Back Porch	0.740msec	0.626msec	0.607msec	0.478msec	0.784msec	0.577/0.563msec	0.600msec
(R) Vertical Active Area	12.678msec	17.067msec	15.840msec	12.480msec	12.549msec	10.824msec	15.880msec
(S) Vertical Front Porch	0.238msec	0.028msec	0.026msec	0.770msec	0.020msec	0.000/0.014msec	0.062msec

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Signal Identification for Raster Preset

MODE	Pola	Polarity State Frequency		NEC	USER	REMARKS			
MUDE	Hor	Ver	Hor	Ver	Hor	Ver	PRESET	PRESET	HEMATING
MODE1	-	-	-	-	-	-	YES-1	YES-1	NTSC
15.5-16.0KHz								YES-2	RGB 15kHz
	,						YES-2	YES-3	PAL/SECAM
MODE2	NEG	NEG	-(H)	-(H)	-	-	YES-3	YES-4	VESA I-Standard 640x480(31.5KHz/60Hz)
30-32.5KHZ	POS	POS	-(H)	-(H)	-	-	-	YES-4	-
	POS	NEG	Н	Н	-	-	-	YES-5	IBM 640x350(31.5KHz/71Hz)
	NEG	POS	Н	Н	-	-	-	YES-6	JBM 640x400(31.5KHz/71Hz)
MODE3	(NEG)	(NEG)	-(H)	-(H)	-	-		YES-7	HDTV(33.75KHz/60Hz)
32.5-34.4KHZ	-	-	-	-	-	-	-	-	-
MODE4	(POS)	(POS)	Н	Н	-	80 or less	YES-4	YES-8	VESA 800x600 (35.1KHz/56Hz)
34.4-36.5KHz					ļ	80 or greater	-	YES-9	VESA I-Standard 1024x768 (35.5KHz/87Hz)
	-		-	L	-	-	YES-5	YES-10	MAC 640x480(35KHz/67Hz)
MODE5	NEG	(NEG)	Н	Н		-	-	YES-11	VESA 640x480(37.5KHz/75Hz)
36.5-42KHz	POS	NEG	Н	Н			-	YES-11	-
	POS	POS	Н	Н	Í		YES-6	YES-12	VESA 800x600(37.9KHz/60Hz)
	-	-	-	L	1		-	YES-13	REUTER 640x480(38.4KHz/72Hz)
MODE6	-	-	-	-	-	-	-	YES-14	VESA 640x480 (43.3kHz/85Hz)
42-45KHz									
MODE7	NEG	(NEG)	H	Н	-	-	YES-7	YES-14	VESA 1024x768 (48.4KHz/60Hz)
45-49KHz	POS	NEG	Н	Н	1		-	YES-14	-
	POS	POS	Н	н	1		-	YES-15	VESA 800x600(46.9KHz/75Hz)
	-	-	-	L	1		-	YES-16	REUTER 800x600 (48.1KHz/72Hz)
MODE8	(NEG)	(NEG)	Н	Н	-	-	-	YES-17	H-98 1120x750 (50.0KHz/60.1Hz)
49-51kHz	-	-	-	L	1		YES-8	YES-18	MAC 832x624 (49.7KHz/75Hz)
MODE9	(NEG)	(NEG)	(H)	(H)	-	-	YES-9	YES-19	VESA 1024x768 (56.5KHz/70Hz)
51-57.5KHz							l		
MODE10	(POS)	(POS)	Н	Н	-	-	YES-10	YES-20	VESA 1024x768 (60.0KHz/75Hz)
57.5-62KHz	<u> </u>	-	-	L	1		-	YES-21	MAC 1024x768 (60.2KHz/75Hz)
MODE11	(NEG)	(NEG)	(H)	н	-	 	YES-11	YES-22	VESA 1280x1024 (64.0KHz/60Hz)
62-70KHz	-	-	-	-	1	1	-	YES-22	VESA 1024×768 (68.7kHz/85Hz)
	-			L	1		-	YES-23	MAC 1152x870 (68.7KHz/75Hz)
MODE12	 - -	-	-	-	-	-	-	YES-24	VESA 1600x1200 (75kHz/60Hz)
70-79KHz									
MODE13	(POS)	(POS)	(H)	(H)	 -	-	YES-12	YES-24	VESA 1280x1024 (80.0KHz/75Hz)
79-83KHz	` ′	` '		` `					
MODE14	 .	-	-	-	-	-	-	YES-25	VESA 1600x1200 (87.5kHz/70Hz)
83-89.5kHz									
MOE15	(POS)	(POS)	(H)	(H)	-	-	YES-13	YES-25	VESA 1600x1200 (93.8KHz/75Hz)
89.5-95KHz	, 55,	" " "	``	,					

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NOTE: L=NEG.SYNC H=POS.SYNC "-" or "()" =ignored
Factory: 13 (10 preset for XM29 Plus) User: 25 (22 preset for XM29 Plus)
The modes 11 (VESA 1024x768 and MAC 1152x870) and 12 to 15 apply to XP29 Plus only.

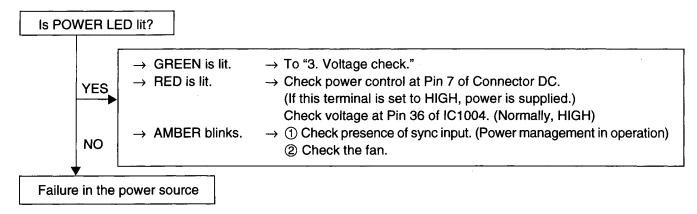
TROUBLESHOOTING

1.Power failure

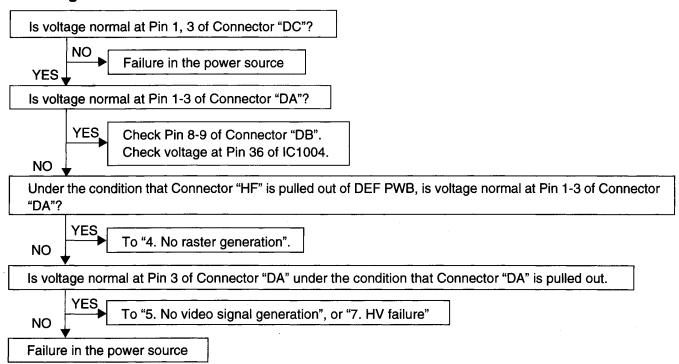
Check whether the output voltages from the power supply are as specified below.

Connector name	PIN No.	Voltage	
DA	1	+220V	Horizontal deflection and video output bias source
DA	3	+155V	HV, video AMP, and horizontal drive
			Vertical pump-up source
DB	1	-22.55V	Vertical deflection source
DB	3	+22.55V	Vertical deflection source
DB	4	+27V	Each circuit source
DB	6	+22.55V	Audio AMP source
DB	8, 9	+15V	Each circuit source
DC	1	+12V	Each circuit backup source
DC	3	+7.5V	CPU and each circuit backup source
DC	5	+6.3V	Heater source

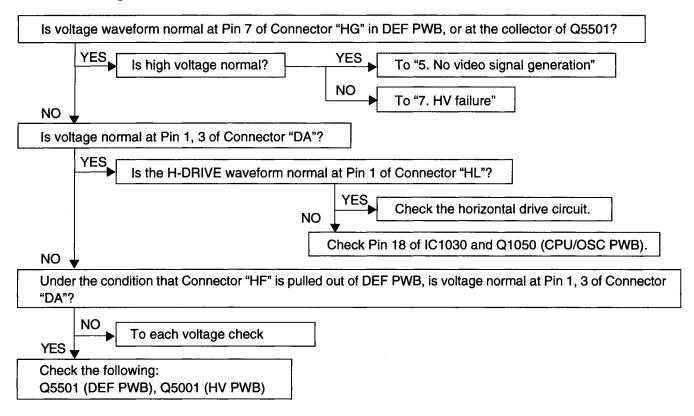
2. Mains source failure



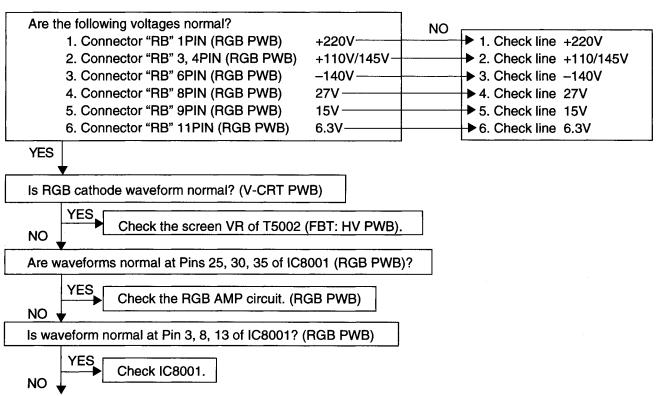
3. Voltage check

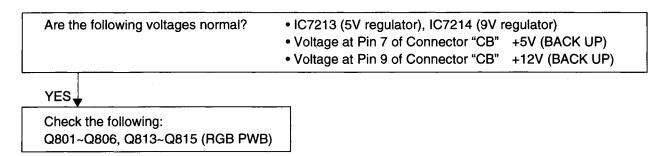


4. No raster generation

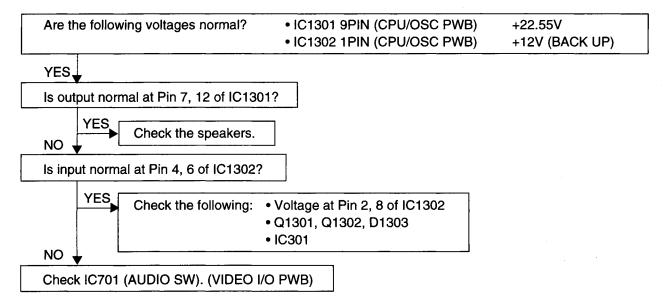


5. No video signal generation

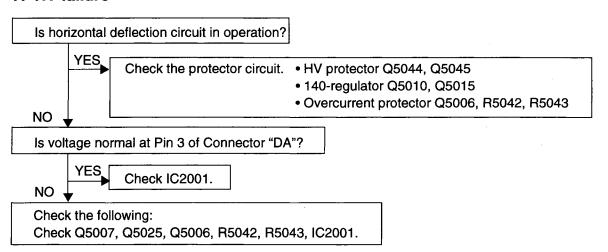




6. No sound generation

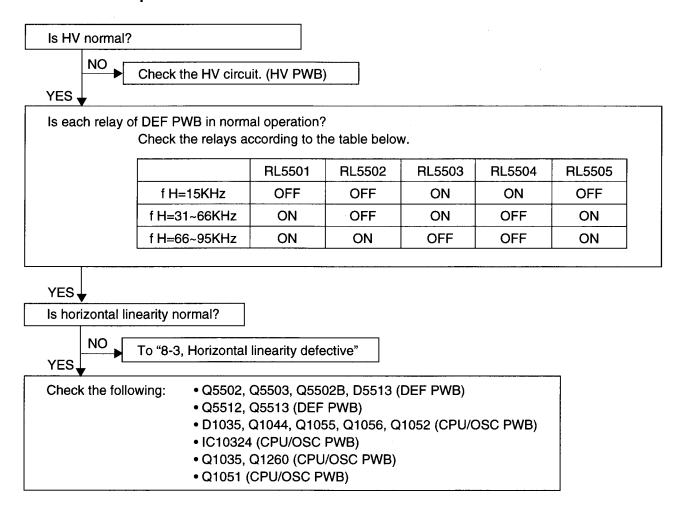


7. HV failure

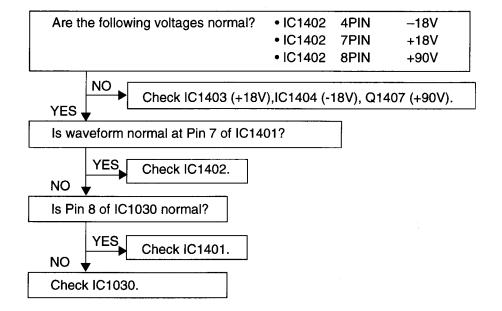


8. Raster defective

8-1. Horizontal amplitude defective



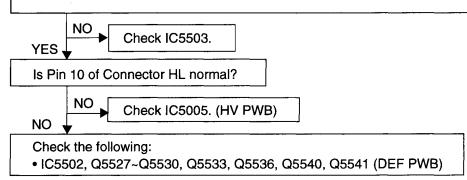
8-2. Vertical deflection defective (CPU/OSC PWB)



8-3. Horizontal linearity defective

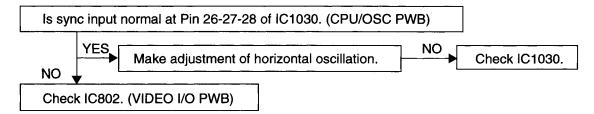
Check the changeover conditions	of the following	Character-S capacitors.

									,
MODE	Frequency range	Vertical	Q5526	Q5525	Q5524	Q5522	Q5523	Q5521	Q5520
MODE1	15.7KHz		ON						
MODE2	31~32.5KHz		ON	ON	ON	ON	ON	ON	OFF
MODE3	32.5~34.4KHz		ON	ON	ON	ON	ON	OFF	OFF
MODE4	34.4~36.5KHz	> 80Hz	ON	ON	ON	ON	ON	OFF	OFF
		< 80Hz	ON	ON	OFF	ON	ON	OFF	OFF
MODE5	36.5~42KHz		OFF	OFF	OFF	ON	ON	OFF	OFF
MODE6	42~45KHz		OFF	OFF	ON	OFF	ON	OFF	OFF
MODE7	45~49KHz		ON	ON	OFF	ON	OFF	OFF	OFF
MODE8	49~51KHz		ON	OFF	OFF	ON	OFF	OFF	OFF
MODE9	51~57.5KHz		OFF	OFF	OFF	ON	OFF	OFF	OFF
MODE10	57.5~62KHz		ON	ON	ON	OFF	OFF	OFF	OFF
MODE11	62~70KHz	< 80Hz	ON	OFF	ON	OFF	OFF	OFF	OFF
		> 80Hz	OFF	OFF	ON	OFF	OFF	OFF	OFF
MODE12	70~79KHz		ON	ON	OFF	OFF	OFF	OFF	OFF
MODE13	79~83KHz		OFF	ON	OFF	OFF	OFF	OFF	OFF
MODE14	83~89.5KHz		ON	OFF	OFF	OFF	OFF	OFF	OFF
MODE15	89.5~95KHz		OFF						

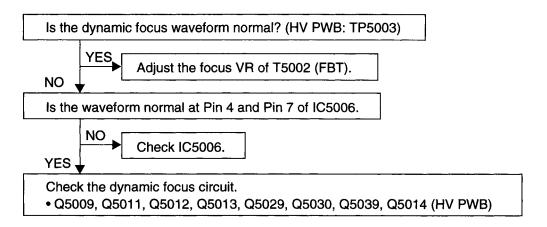


TROUBLESHOOTING

9. Synchronism defective



10. Focus defective



METHOD OF ADJUSTMENTS

Adjustment items

- 1. Factory preset mode
- 2. Adjustment of horizontal-frequency oscillation (Adjustable in a board unit)
- 3. Power block check
- 4. Adjustment of HV block (Adjustable in a board unit)
 - 4-1. HV adjustment
 - 4-2. HV protector adjustment
- 5. Audio balance adjustment (Adjustable in a board unit)
- 6. Horizontal size adjustment
- 7. Vertical position and size adjustment
- 8. Adjustment of the VIDEO processing system (VIDEO I/O board)
- 9. White balance adjustment
- 10. Raster adjustment
- 11. Dynamic focus waveform adjustment (HV board)
- 12. Adjustment of video D/A control
- 13. HV protector operation check
- 14. Special setting
- 15. Timing chart

1. Factory setting mode

If there is a description of "ENTER FACTORY SETTING MODE" elsewhere in the adjustment items of this text, enter the factory setting mode by the following method:

- 1) Turn off the POWER switch on the front panel.
- (2) Pressing the VIDEO1 key of the FRONT switch, turn on the POWER switch on the front panel.
- ③ While the input status (VIDEO1, 2, RGB1, 2) is displayed, release the VIDEO1 key and press the remote control keys in the order of [▲] key → [PROCEED] → [PROCEED].
 - → In this state, OSM MENU (icon in red) of the factory setting mode is displayed.
- * If the following operation is performed in the factory setting mode, enter the factory setting mode again by the above-mentioned method:
 - Front POWER switch OFF
 - Power outlet OFF

2. Oscillation adjustment for horizontal frequency (adjustable in board unit)

- (1) Connect the RGB signal of horizontal frequency just at 100kHz to the RGB1 (D-SUB) connector. **Note:** If it is not RGB1, automatic adjustment cannot be performed normally.
- (2) Keep the 3-pin HF mini-connector disconnected on the DEF board.
- (3) Confirm that the POWER switch is OFF, and connect a power cord.
- (4) Turn on the POWER switch. At that time, when turning on this POWER switch, keep the PUSH switch with the circuit symbol SW1001 pressed on the CPU/OSC board. → The power LED in red flashes. ••• The oscillation adjusting mode is displayed.
- (5) Connect a frequency counter to TP1004 (about 12Vp-p) <for board adjustment> of the CPU/OSC board or connector HL1 <for set adjustment> of the DEF board. Then, adjust VR1001 (horizontal oscillation VR) on the CPU/OSC board to a horizontal frequency of 15.734KHz ± 100Hz.
- (6) After adjustment, select RGB1 using the source changeover key.
- (7) When the power LED turns its mode from flashing red to lighting red, this means the completion of adjustment. → Adjustment is completed for horizontal 15kHz and 31kHz ~ 100kHz. In the case of failure in normal adjustment, the Power LED is turned from red flashing to amber color. In such a case, adjustments should be performed again or peripheral circuits and connections should be checked.
- (8) Return the disconnected HF connector of the DEF board to its original position.

3. Power supply check (set check)

- (1) Confirm that AC input voltage is maintained at 120Vrms and 60Hz.
- (2) 220Vpc line check Use a DC voltmeter and confirm that the voltage between connectors "DA1" \sim "DA 2 (GND)" of the DC-PS unit is maintained within therange of 220V \pm 6.6V.

4. HV block adjustment (adjustable in board unit)

4-1. HV block adjustment

- (1) Move screen VR of FBT to MIN position.
- (2) Move VR2001 of HV setting VR to MIN position on the HV board (fully counterclockwise).
- (3) Keep VR2002 staying in MIN position so that the HV protector does not operate.
- (4) Make connections for video signals (all white).
- (5) Connect an HV meter and turn on the POWER SW.
- (6) Slowly raise the voltage with VR2001, adjusting it to 29.0kV \pm 0.3kV.
- (7) Fix VR2001 to the cap using silicone rubber, and confirm that the indication at the HV meter does not deviate from 29.0KV ± 0.3 KV. Since then, disconnect the HV meter.

4-2. Adjustment of standard -140V for the HV protector

- (1) Move the FBT screen VR to the MIN position (fully counterclockwise).
- (2) Connect a signal (cross hatch) of 1024 x 768 @ 60Hz to the RGB.
 - → Horizontal frequency: 48KHz
- Vertical frequency: 60Hz
- (3) Connect a DC voltmeter to the negative side of C5055 or pin 6 of the connector RB on the HV board. Adjust VR2002 until a voltage of -140V is secured. Adjustment accuracy is within ±2V.
- (4) Fix VR2002 to the cap using silicone rubber, and confirm that the adjustment accuracy is kept within ±2V. Since then, disconnect the HV meter.

5. Audio balance adjustment (adjustable in board unit)

- (1) Apply a signal of output 1KHz/0.5Vrms to the monaural side. *
- (2) Adjust the GND level of the oscilloscope at the CPU/OSC board and make the following connections:
 - CH1 To TP1001
 - CH2 To TP1002 (About 18Vp-p max.)
- (3) Move the volume setting to the maximum level with a remote control transmitter. (For electrified jigs, adjust the jig-on VR to about 10Vp-p.)
- (4) Adjust VR1301 so that the amplitude of CH1 waveform coincides with that of CH2.
- * In the case of board-unit adjustments, use the following pins of connector "CA" for inputs:

No. 1 (LEFT IN), No. 2 (GND). No. 3 (RIGHT IN), No. 4 (GND)

Use the following pins of connector "CA" for outputs:

No. 5 (LEFT OUT), No. 6 (GND), No. 7 (RIGHT OUT), No. 8 (GND)

Connect a dummy load of SW to the output side.

6. Adjustment of horizontal size and center

* As required during adjustments, make adjustment of SIDE PIN and ALIGN also.

6-1. Size adjustment

- (1) Connect RGB signals:
 - → XP-2990/G: VESA 1024 x 768 @85Hz, Horizontal 68.68kHz. XM-2960/G: MACII 13" MODE 640 x 480 @67Hz, Horizontal 35kHz.
 - → Cross-hatch pattern (white lines on black background)
- (2) Move VR1201 of the CPU/OSC board to the MIN position (fully counterclockwise).
- (3) Slowly raise the screen VR until images come to be seen. Otherwise, press the PROCEED key of the remote control to a degree the ON screen can be seen.
- (4) Secure H-WIDTH: MAX / SCAN SEL: OVER, using a remote control.
- (5) Slowly raise the horizontal size using VR1201 of the CPU/OSC board. Make adjustments until images attain 100% MAX SCAN.

6-2. Center adjustment

- (1) Enter the factory setting mode.
- (2) Connect RGB signals:

XP-2990/G: VESA 1600 x 1200 @75Hz (93.8kHz). XM-2960/G: VESA 1280 x 1024 @ 60Hz (64.6kHz).

- (3) Raise the brightness and adjust the raster (black part) so that it comes to float. If it does not float, raise the screen using VR of the FBT. For readjustment, white balance must also be adjusted again.
- (4) Adjust H-CENTER and H-WIDTH so that raster comes to coincide with the CRT edge.

7. Vertical position and size adjustment (CPU/OSC board)

7-1. Position adjustment

- (1) Enter the factory setting mode.
- (2) Set the input signal:

XP-2990/G: VESA 1600 x 1200 @ 75Hz (93.8kHz). XM-2960/G: VESA 1280 x 1024 @ 60Hz (64.6kHz).

(Cross hatch/white line on black background)

- (3) Set V-position on the OSM menu at "63" of the center, using a remote control transmitter.
- (4) Set V-LIN 1 on the OSM menu at "15" of the center, using the remote control transmitter.
- (5) Set V-LIN 2 on the OSM menu at "15" of the center, using the remote control transmitter.
- (6) Raise the brightness and adjust the raster (black part) so that it comes to float. If it does not float, raise the screen using VR of the FBT. For readjustment, white balance must also be adjusted again.
- (7) Using the VR1401 on the CPU/OSC board, set the vertical position so that the raster comes in the center. **Note**: Adjust the raster position to the center within ± 2mm.

7-2. Size adjustment

- (1) Enter the factory setting mode.
- (2) Enter the RGB signal (cross hatch) of VESA 640 x 400 @ 85Hz.
- (3) Make adjustments of LINEAR1, 2 on the OSM menu, using a remote control transmitter.
 - → Make adjustments until the difference between the center of each block and the upper/lower end width is within 0.5mm.

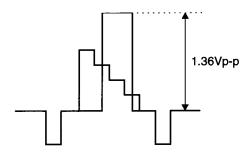
5-3

METHOD OF ADJUSTMENTS

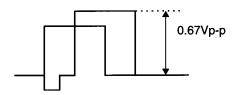
- (4) Adjust the V-POSITION so that the displayed position (cross-hatch indication) settles in the center of the V direction, using the remote control transmitter.
- (5) Adjust SCAN SEL to UNDER SCAN and V-HEIGHT to maximum, using the remote control transmitter.
- (6) Using the remote control transmitter, adjust V-HEIGHT LIMIT of FF on the OSM menu so that the display of the vertical direction appears to be 100% SCAN.

8. Adjustment of VIDEO processing system (VIDEO I/O board)

- (1) Confirm that the input terminal switch of VIDEO1 is terminated at 75Ω .
- (2) Enter a color bar signal input of NTSC in the BNC terminal of VIDEO1.
- (3) Adjust VR7401 so that the Y level (Y level after Y/C separation) at TP7401 of the VIDEO I/O board is set at 1.36Vp-p ± 0.01 (level excluding the sync component).
 - → The oscilloscope should be used within the range of AC 200mV/div.



- (4) Remove input signal of VIDEO1 to assume a no-signal state. Adjust VR7201 (SET UP LEVEL ADJ.) so that the blanking level at TP7201 (green signal after RGB separation) is $0.00V \pm 0.05V$ or less.
- (5) Enter a color bar signal input of NTSC in the input terminal of VIDEO1.
- (6) Adjust VR7202 (OUTPUT GAIN) so that the level at TP7201 attains 0.67Vp-p ± 0.01V.
 - → The oscilloscope should be used within the range of AC 100mV/div.

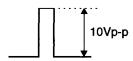


9. White balance adjustment

This adjustment shall be conducted to the end, without interruption of power-OFF, etc. in the course of adjustments.

- (1) Move the FBT screen VR to the MIN position (fully counterclockwise).
 - Secure an all-black signal of RGB 640 x 480 @ 60Hz.
 - Connect an oscilloscope to TP902 of the V-CRT board, and set up this oscilloscope to 2V/div.
- (2) Assume the factory adjustment mode.
- (3) Select RGB and raise the screen VR setting until an ON-screen can be seen.

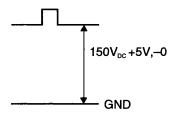
(4) Using a remote control transmitter, set up HIGH CONTRAST on the OSM menu at MODE 1. Also using the remote control transmitter, adjust BRIGHTNESS LIMIT D/A so that the waveform (blanking level of the green cathode stage) is controlled to 10Vp-p ± 0.2Vp-p.



- (5) Using the remote control transmitter, set up HIGH CONTRAST on the OSM menu at MODE2. Also using this remote control transmitter, adjust BRIGHTNESS LIMIT D/A so that the waveform (blanking level of the green cathode stage) is controlled to 10Vp-p ± 0.2Vp-p.
- (5-1) After adjustments, use a remote control transmitter and set HIGH CONTRAST in MODE1 on the OSD menu. Also set COLOR TEMP at 10500°K.
- (6) Turn off the power supply with a remote control transmitter and adjust the screen VR to MIN.
- (7) Turn on S1401 of the CPU/OSC board for horizontal one-line setting.
 - By factory mode and horizontal one-line setting, keys of the remote control transmitter are assigned as follows:

H WIDTH \rightarrow R-BIAS V HEIGHT \rightarrow G-BIAS SIDE PIN \rightarrow B-BIAS

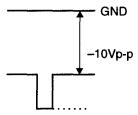
- (8) Turn on the power supply with the remote control transmitter and select RGB.
- (9) Using H WIDTH (R), V HEIGHT (G), and SIDE PIN (B) of the remote control transmitter, adjust the black level of the cathode stage to 150VDC + 5V, -0V.
 - On the V-CRT board, the test pins used are TP901 for R, TP902 for G, and TP903 for B.
 - → The oscilloscope should be used within the range of DC20V/div.



(10) Connect the oscilloscope to TP G1 on the V-CRT board.

Using the remote control transmitter, set the brightness at $-10V \pm 0.5V$.

→ The oscilloscope should be used within the range of DC5V/div.



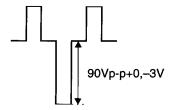
- (11) Slowly raise the screen VR setting clockwise and stop it where any of R, G, B begins to glow.
- (12) Using H WIDTH (R), V HEIGHT (G), and SIDE PIN (B) of the remote control transmitter, adjust the horizontal lines to white color.

Note: The horizontal line glowing first must not be changed.

→ This D/A value is the D/A reference for all RGB BIAS setting.

METHOD OF ADJUSTMENTS

- (13) Turn off the power with the remote control transmitter and turn off S1401 to cancel the horizontal line.
 - → By this setting, all bias D/A values are transferred to the D/A that has been adjusted to the equivalent black level of 150V.
- (14) Turn on the power supply with the remote control transmitter.
- (15) Select RGB and control the signals to the window of 1/10H and 1/10V.
- (16) Using the remote control transmitter, set up HIGH CONTRAST to MODE1 on the OSM menu.
- (17) Using the remote control transmitter, adjust CONTRAST to MAX.
- (18) Using the remote control transmitter, set COLOR TEMP at 10500K on the OSM menu.
- (19) Using the remote control transmitter, obtain an adjustment screen of RGB GAIN/BIAS on the OSM menu.
- (20) Using R, G, B GAIN, set the swing of the cathode stage at each color of 90Vp-p +0, -3V.
 - On the V-CRT board, the test pins used are TP901 for R, TP902 for G, and TP903 for B.
 - → The oscilloscope should be used within the range of AC20V/div.
 - * After adjustment, the oscilloscope probe must be disconnected.



- (21) Treat Pin 4 (power management) of DIP SW for OFF \rightarrow ON \rightarrow OFF.
 - → The same data as those of RGB GAIN set for 10500K of the above-mentioned HIGH CONTRAST = MODE1 are transferred to the following:
 - 9300K and 6500K of MODE1
 - 10500K, 9300K, and 6500K of MODE2
 - 10500K, 9300K, and 6500K of VIDEO
- (22) Using the remote control transmitter, adjust RGB GAIN/BIAS on the OSM menu to obtain a color temperature of 10500K.
 - * Setting should be made to attain 10cd/m² on the darker side, and 140cd/m² on the brighter side.
 - For 10cd/m² setting, adjustments are made with RGB BIAS of the OSM menu. However, the first lighting color after screen adjustment as per (11) shall be fixed.
 - For 140cd/m² setting, adjustments are made with R and B GAIN of the OSM menu.
 - → G GAIN shall be fixed.

The brightness is adjusted with CONTRAST of the remote control transmitter.

- (23) After completion of color temperature adjustment at 10500K, push the EXIT key of the remote control transmitter and select 9300K.
- (24) Get the adjustment screen of RGB GAIN/BIAS with the remote control transmitter.
 - * Setting should be made to attain 10cd/m² on the darker side, and 140cd/m² on the brighter side.
 - For 10cd/m² setting, adjustments are made with RGB BIAS of the OSM menu. However, the first lighting color after screen adjustment as per (11) shall be fixed.
 - For 140cd/m² setting, adjustments are made with R and B GAIN of the OSM menu.
 - → G GAIN shall be fixed.

The brightness is adjusted with CONTRAST of the remote control transmitter.

- (25) After completion of color temperature adjustment of 9300K, select 6500K by pressing the EXIT key of the remote control transmitter.
- (26) Using the remote control transmitter, adjust RGB GAIN/BIAS on the OSM menu to obtain a color temperature of 6500K.
 - * Setting should be made to attain 10cd/m² on the darker side, and 140cd/m² on the brighter side.
 - For 10cd/m² setting, adjustments are made with RGB BIAS of the OSM menu. However, the first lighting color after screen adjustment as per (11) shall be fixed.
 - For 140cd/m² setting, adjustments are made with R and B GAIN of the OSM menu.
 - → G GAIN shall be fixed.

The brightness is adjusted with CONTRAST of the remote control transmitter.

- (27) After completion of color temperature adjustment at 6500K, push the EXIT key of the remote control transmitter and select 10500K.
- (28) Set HIGH CONTRAST on the OSM menu to get MODE2 with the remote control transmitter.
- (29) Make operation of OFF → ON → OFF at Pin 4 (power management) of the DIP switch.
 → After adjustments with MODE1, all data of GAIN/BIAS are transferred to the data area of MODE2.
- (30) Set CONTRAST at MAX with the remote control transmitter. Set COLOR TEMP of the OSM menu at 10500K.
- (31) Make further adjustments in the same manner as for (22) to (27).

Note: The brightness on the brighter side is adjusted by setting CONTRAST at MAX. (80cd/m² or more shall be secured. Usually about 100cd/m²)

- (32) After completion of 6500K adjustment for HIGH CONTRAST = MODE2, COLOR TEMP is set at 10500K on the OSM menu with the remote control transmitter. Select VIDEO after setting HEIGHT CONTRAST at AUTO.
- (33) Get a color-bar signal for the input signal of VIDEO.

Note: The probe of the color analyzer shall be applied to a white area, which is about 2cm lower than the color area.

- (34) Select RGB GAIN/BIAS on the OSM menu with the remote control transmitter. Then make operation of OFF → ON → OFF at Pin 4 (power management) of the DIP switch.
 - → After adjustments with MODE1, all data of GAIN/BIAS are transferred to the data area of VIDEO.
- (35) Make the same adjustments as for (22) to (27).
- (36) Set COLOR TEMP at 10500K on the OSM menu with the remote control transmitter.

Addenda: 10500K: x : 281 \pm 5, y : 285 \pm 5, - 5 MPCD 9300K: x : 283 \pm 5, y : 297 \pm 5, + 8 MPCD 6500K: x : 313 \pm 5, y : 329 \pm 5, + 7 MPCD

10. Raster-related adjustments

Factory adjustments are carried out for the signals specified in the separate signal table.

- (1) Assume the factory preset mode.
- (2) Inclination adjustment.

Using the remote control transmitter and with ROTATION on the OSM menu, adjust the right and left upper/lower deviations until they reach the optimal points.

- * However, this adjustment is carried out only for the first one signal since there is no memory for each signal.
- (3) Vertical position/vertical linearity adjustments
 - Using H POSITION and V POSITION of the remote control transmitter, adjust the center of the video in vertical directions to the center of the CRT tube plane.
 - Adjust the vertical amplitude to the same level for both H WIDTH and V HEIGHT of the remote control transmitter.
 - * However, the horizontal and vertical sizes are as follows:

RGB: $95\% \pm 2\%$

VIDEO: Over-scan 10% +0%, -3% (both NTSC and PAL).

(4) Side-pin adjustment

Using the remote control transmitter, make adjustments with SIDE PIN and SIDE PIN CORNER on the OSM menu so that the value of distortion is kept within 3mm on one side.

- (5) Trapezoidal correction and adjustment
 - Using the remote control transmitter, make adjustments with KEYSTONE on the OSM menu so that the upper/lower clearance gradient is kept within 3mm.
- (6) Using the remote control transmitter, make adjustments with TILT and SIDE PIN BALANCE on the OSM menu so that the vertical line in the center can be made upright.

11. Adjustment of dynamic focus waveforms (HV board)

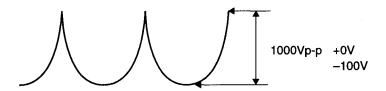
- (1) Enter the factory setting mode.
- (2) Connect a 100:1 probe to TP5003.
- (3) Apply a signal (cross-hatch)

XP-2990/G : 1600 x 1200 @75Hz (93kHz).

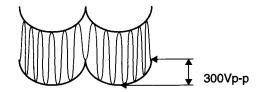
XM-2960/G: 1280 x 1024 @ 60Hz (64.5kHz).

- (4) Set the remote control transmitter to obtain a 95% scan of an image for the following:
 - H POSITION
 - V POSITION
 - H WIDTH
 - V HEIGHT
- (5) Set up the oscilloscope to the horizontal rate.
 - → The oscilloscope should be used within the ranges of DC200V/div and 5µS/div.

(6) Paying attention that the parabolic waveform does not collapse, use the remote control transmitter and adjust HD FOCUS on the OSM menu to get 1000Vp-p.



- (7) Set up the oscilloscope to the vertical rate.
 - → The oscilloscope should be used within the range of DC 200V/div and 2ms/div.
- (8) Paying attention that the parabolic waveform does not collapse, use the remote control transmitter and adjust VD FOCUS on the OSM menu to get 250 ~ 300Vp-p.

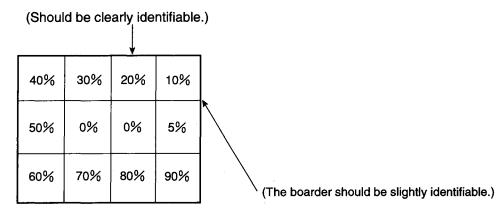


12. Adjustment for video D/A control

12-1. BRIGHT/CONTRAST adjustment of VIDEO

- (1) Enter the factory setting mode.
- (2) Apply a monoscopic signal to VIDEO1.
 - * Confirm that it is terminated at 75Ω .
- (3) Using the remote control transmitter, adjust the BRIGHT key so that 8% black becomes black.
 - Monoscope reception
 - Visual Control: Normal

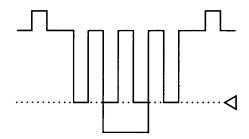
The contrast chart should indicate black at the column of black 8%



- (4) Change over the input signal to the window signal (1/10H, 1/10V).
- (5) Connect the oscilloscope probe to TP902 of the V-CRT board and adjust the CONTRAST key of the remote control transmitter to get 80Vp-p + 0Vp-p, -5Vp-p for the swing of the G-cathode stage.
 - → The oscilloscope should be used within the range of DC20V/div.

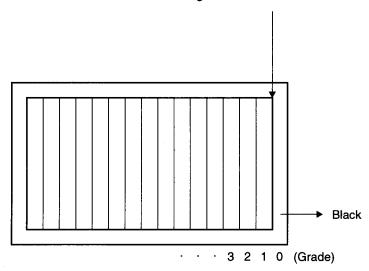
12-2. VIDEO COLOR/TINT adjustment

- (1) Assume the factory preset mode. .
- (2) Apply a color-bar signal to VIDEO1.
- (3) Connect the oscilloscope probe to TP903 of the V-CRT board and adjust COLOR/TINT of the remote control transmitter to make the video waveform flat in the B-cathode stage.



12-3. RGB BRIGHT/CONTRAST adjustment

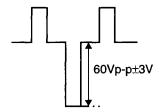
- (1) Assume the factory preset mode.
- (2) Enter a 16-grade gray scale signal of 640 x 480 to RGB2.
- (3) Using the remote control transmitter, set the HIGH CONTRAST mode at MODE1 on the OSM menu.
- (4) Using the BRIGHT key of the remote control transmitter, make adjustments so that the border line can be slightly discriminated between black and the first grade on the blacker side.



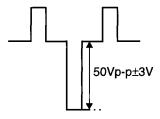
- (5) Change over the input signal to the window signal (1/10H, 1/10V).
- (6) Adjust the CONTRAST key of the remote control transmitter to get 70Vp-p + 0Vp-p, -5Vp-p for the swing of the V-CRT G-cathode stage.
- (7) Using the remote control transmitter, set the HIGH CONTRAST mode at MODE2 on the OSM menu.
- (8) Adjust the CONTRAST key of the remote control transmitter so that CONTRAST attains MAX.

12-4. OSD GAIN adjustment

- (1) Assume the factory preset mode.
- (2) Enter an all-black signal of 640 x 480 to RGB2.
- (3) Connect an oscilloscope to TP901 of the V-CRT board and set up this oscilloscope at AC10V/div.
- (4) Using the remote control transmitter, set the HIGH CONTRAST mode at MODE1 on the OSM menu.
- (5) Using the remote control transmitter, adjust OSD GAIN to 60Vp-p on the OSM menu.



- (6) Using the remote control transmitter, set the HIGH CONTRAST mode at MODE2 on the OSM menu.
- (7) Using the remote control transmitter, adjust OSD GAIN to 50Vp-p on the OSM menu.



13. Operation check for HV protector

- (1) Obtain a monoscopic display in VIDEO mode.
- (2) Turn off the POWER switch using the remote control transmitter.
- (3) Short-circuit the section between TP2001 and TP2002 of DEF/HV PWB.
- (4) Turn on the POWER switch using the remote control transmitter, and confirm that the HV protector functions and horizontal oscillation is stopped.
- (5) Turn off the POWER switch on the cabinet front and remove the short-circuit condition between TP2002 and TP2003. Turn on the POWER switch after 10 seconds again, in order to confirm that the set operates normally.

METHOD OF ADJUSTMENTS

14. Special setting

- (1) Get entered in the FACTORY mode.
- (2) Push (−) key and select FF on the OSM menu.
- (3) Push ▲ key and select SPECIAL!.
- (4) Push PROCEED key and enter in the setting screen.
- (5) Push ▲ key and select ADDRESS-27 (OTHERS INIT).
- (6) Confirm that ADDRESS-27 is 00.
- (7) If it is 00, push EXIT key and withdraw from the setting screen.
- (8) Close the FACTORY mode.

Complementary explanations : If ADDRESS-27 is not 00 in (6) above, get 00 with ◀ (–) key or ▶ (+) key.

After 00 setting, follow the procedures of (7) and (8) above.

* Make sure not to change the values of setting items other than the above. (Regarding the setting values, refer to the list of special setting initials on page 5-13.)

lcon Display						
OTHERS	INIT					
ADDRE	<u>0 0</u>					
XPXM	OSM					

List of initial data to be specially set

Address	Initial data		Items to be set
00	35	TA8880	WPL
01	35	TA8880	Aperture control
02	07	TA8880	Brightness
03	35	TA8880	P/N GP
04	06	TA8880	Unicolor
05	34	TA8880	Vertical mode
06	32	TA8880	Vertical phase control
07	04	TA8880	Horizontal phase control
08	34	TA8880	Mute mode
09	30	TA8880	BLK
10	26	TA8880	B/W
11	16	TA8880	X' tal mode
12	35	TA8880	PN amplitude
13	31	TA8880	SECAM amplitude
14	17	TA8880	BELL filter focus adjustment
15	08	TA8880	S GP
16	00	TA8880	SID
17	29	TA8880	SECAM black laber R-Y
18	03	TA8880	SECAM black label B-Y
19	35	TA8880	Search
20	31	TA8880	Blue back
21	26	TA8880	YNR
22	21	TA8880	AFC
23	02	TA8880	Selecting test mode
24	35	UPC1885	Selecting 500KHz mode
25	31	UPC1885	Selecting V-in POL
26	07	UPC1885	Selecting 20ms Dev
27	00	Selecting O	SD/OSM & XPXM/PCKM

15. XP-2990 Timing chart for factory preset signals

F- No			A Total	B Sync TM	C back P	D Addr TM	E Front P	Sync polarity /Others
01	VIDEO (NTSC)							
02	VIDEO (PAL)							
03	I Standard 640 x 480@60Hz	H (us)	31.778	3.813	1.589	25.422	0.318	
		V (ms)	16.683	0.064	0.794	15.253	0.064	_
04	MAC II (13 inch)	H (us)	28.58	2.12	3.17	22.81	0.18	Sync on Green
		V (ms)	15.0	0.09	1.11	13.71	0.09	Green
05	VESA 640 x 480@75Hz	H (us)	26.667	2.032	3.810	20.317	0.508	_
		V (ms)	13.333	0.080	0.427	12.800	0.027	
06	VESA 1024 x 768@60Hz	H (us)	20.677	2.092	2.462	15.754	0.369	
		V (ms)	16.666	0.124	0.600	15.880	0.062	
07	MAC II (16 inch)	H (us)	20.111	1.117	3.910	14.524	0.559	Sync on Green
		V (ms)	13.414	0.06	0.784	12.549	0.02	Green
80	VESA 1024 x 768@70Hz	H (us)	17.707	1.813	1.920	13.653	0.320	_
		V (ms)	14.272	0.106	0.513	13.599	0.053	
09	VESA 1024 x 768@75Hz	H (us)	16.660	1.219	2.235	13.003	0.203	+
		V (ms)	13.328	0.050	0.466	12.795	0.017	+
10	VESA 1280 x 1024@60Hz	H (us)	15.630	1.037	2.296	11.852	0.444	+
		V (ms)	16.661	0.047	0.594	16.005	0.016	+
11	VESA 1280 x 1024@75Hz	H (us)	12.504	1.067	1.837	9.481	0.119	+
		V (ms)	13.329	0.038	0.475	12.804	0.013	+
12	VESA 1600 x 1024@75Hz	H (us)	10.667	0.948	1.501	7.901	0.316	+
		V (ms)	13.333	0.032	0.491	12.800	0.011	+

[•] All video signals shall be analog.

Timing chart for various adjusting signals used in other cases

F- No			A Total	B Sync TM	C back P	D Addr TM	E Front P	Sync polarity /Others
02	VESA 640 x 400@85Hz	H (us)	26.413	2.032	3.048	20.317	1.016	
1		V (ms)	11.754	0.079	1.083	10.565	0.026	+
06	VESA 1024 x 768@85Hz	H (us)	14.561	1.016	2.201	10.836	0.508	+
		V (ms)	11.765	0.044	0.524	11.183	0.015	+

[•] Numbers of the above signals correspond to the preset numbers on F/W.

XM-2960 Timing chart

F- No			A Total	B Sync TM	C back P	D Addr TM	E Front P	Sync polarity /Others
01	VIDEO (NTSC)							
02	VIDEO (PAL)							1
03	I Standard 640 x 480@60Hz	H (us)	31.778	3.813	1.589	25.422	0.318	_
		V (ms)	16.683	0.064	0.794	15.253	0.064	_
04	MAC II (13 inch)	H (us)	28.58	2.12	3.17	22.81	0.18	Sync on Green
		V (ms)	15.0	0.09	1.11	13.71	0.09	Green
05	VESA 640 x 480@75Hz	H (us)	26.667	2.032	3.810	20.317	0.508	_
		V (ms)	13.333	0.080	0.427	12.800	0.027	
06	VESA 1024 x 768@60Hz	H (us)	20.677	2.092	2.462	15.754	0.369	
		V (ms)	16.666	0.124	0.600	15.880	0.062	
07	MAC II (16 inch)	H (us)	20.111	1.117	3.910	14.524	0.559	Sync on Green
		V (ms)	13.414	0.06	0.784	12.549	0.02	Green
08	VESA 1024 x 768@70Hz	H (us)	17.707	1.813	1.920	13.653	0.320	
		V (ms)	14.272	0.106	0.513	13.599	0.053	—
09	VESA 1024 x 768@75Hz	H (us)	16.660	1.219	2.235	13.003	0.203	+
		V (ms)	13.328	0.050	0.466	12.795	0.017	+
10	VESA 1280 x 1024@60Hz	H (us)	15.630	1.037	2.296	11.852	0.444	+
		V (ms)	16.661	0.047	0.594	16.005	0.016	+

- All video signals shall be analog.
- Numbers of the above signals correspond to the preset numbers on F/W.

Timing chart for various adjusting signals used in other cases

F- No			A Total	B Sync TM	C back P	D Addr TM	E Front P	Sync polarity /Others
02 VESA 640 x 4	VESA 640 x 400@85Hz	H (us)	26.413	2.032	3.048	20.317	1.016	_
		V (ms)	11.754	0.079	1.083	10.565	0.026	+
21	VESA 1280 x 1024@60Hz	H (us)	15.630	1.037	2.296	11.852	0.444	+
		V (ms)	16.661	0.047	0.594	16.005	0.016	+

16. Method of CRT/DY Adjustment

[1. Parts]

Parts names

Parts codes

CRT: M68LMF256X

33029036

DY: KDY4UH664A

48007486

[2. Conditions]

1-1 Magnetic field

Set the vertical/horizontal magnetic field according to the specification of the destination, and install the CRT tube so that its screen surface is oriented to the east.

1-2 Adjusting signal

• XM-2990

· Adjustment of convergence

<Horizontal frequency : 93.72KHz/ Vertical frequency : 74.98Hz)</p>
<Horizontal frequency : 31.47KHz/ Vertical frequency : 59.94Hz)</p>

Adjustment of parity

<Horizontal frequency : 31.47KHz/ Vertical frequency : 59.94Hz)</p>

• XP-2960

· Adjustment of convergence

<Horizontal frequency : 63.98KHz/ Vertical frequency : 60.02Hz)</p>
<Horizontal frequency : 31.47KHz/ Vertical frequency : 59.94Hz)</p>

· Adjustment of parity

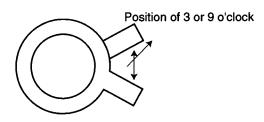
<Horizontal frequency : 31.47KHz/ Vertical frequency : 59.94Hz)</p>

1-3 Aging

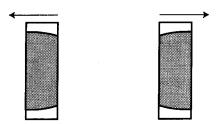
Using an all-white signal, aging is carried out for more than 15 minutes.

[3. Adjustment of parity]

3-1 Method of adjustment (Adjusted with all-white of VGA (60Hz))



(Fig. 3-1 Purity Magnet)
Adjutment of right and left balancing by motion of the protrusion from a position of 3 or 9 o'clock



(Fig. 3-2 Landing Shape)

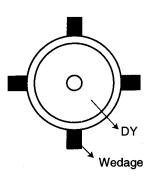
Adjustment of green landing to outward B, 90mm from the tube surface end

 Join the two protrusions of the purity magnet (CRT funnel side), which are mounted on the DY neck part.
 Adjust the balance of the right and left landing shapes, by moving the protrusion from a position of 3 or 9 o'clock.

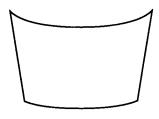
2) Examining the right and left landing shapes of 90.0mm from the tube surface and by the use of a magnifying glass, move the DY forward and backward to determine the DY position so that an outward B (Fig. 3-2) is secured. Set the rotation of the OSM menu at "128" of the center, and fix the DY rotation to the mechanical center of the CRT.

[4. Adjustment of distortion]

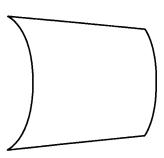
4-1 Method of adjustment (Adjusted with all-white of VGA (60Hz))



(Fig. 4-1 Wedge Fitting Position)



(Fig. 4-2 Relationship between Vertical Swinging and Distortion)



(Fig. 4-3 Relationship between Horizontal Swinging and Distortion)

- Set the swinging at "0" and fix the DY by inserting wedges in 4 positions; top, bottom, right, and left. (Fig. 4-1)
 - If distortion imbalance is too much, resulting in deviation from the set specification, then compensate for the distortion in the procedures below.
- Insert wedges in upper and lower parts of the DY so that vertical distortion attains an optimal condition. (Fig. 4-2)
- Insert wedges in right and left parts of the DY so that horizontal trapezoidal distortion attains an optimal condition. (Fig. 4-3)
- 4) According to the degree of DY swinging in procedures2) and 3), there is the possibility of problem arising in purity and convergence.

Therefore, after fixing the wedges, make 7-purity check and compensate for any color failure by the use of a purity magnet.

When the DY neck is made to swing upward, there will be pin distortion at the top, barrel distortion at the bottom, and vertical trapezoidal distortion with its upper part stretched, as illustrated in Fig. 4-2.

Similarly, when the DY neck is made to swing downward, there will be barrel distortion at the top, pin distortion at the bottom, and vertical trapezoidal distortion with its lower part stretched.

When the DY neck is made to swing to the right as seen from funnel side, there will be pin distortion at the left, barrel distortion at the right, and horizontal trapezoidal distortion with its left part stretched.

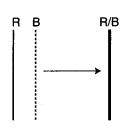
Similarly, when the DY neck is made to swing to the left as seen from funnel side, there will be barrel distortion at the left, pin distortion at the right, and horizontal trapezoidal distortion with its right part stretched.

[5. Adjustment of convergence]

Note: Adjusting signals: XP-2990/G U-XGA (75Hz) and VGA (60Hz) XM-2960/G S-XGA (60Hz) and VGA (60Hz)

5-1 Method of static convergence adjustment

5-1-1 Method of static convergence adjustment for red and blue

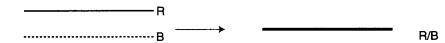


 Adjust red/blue static convergence of vertical lines, by moving the protrusion of the 4-pole magnet (second one from CRT funnel side), mounted on the DY neck part.

2) Adjust red/blue static convergence of horizontal lines, by moving the two protrusions of the 4-pole magnet.

Adjustment of red/blue convergence of vertical lines, by moving the two protrusions of the 4-pole magnet.

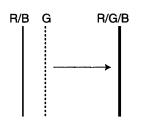
(Fig. 5-1-1 Adjustment of Red/Blue Convergence of Vertical Lines)



Adjust red/blue convergence of horizontal lines, by moving the two protrusions of the 4-pole magnet.

(Fig. 5-1-2 Adjustment of Red/Blue Convergence of Horizontal Lines)

5-1-2 Method of static convergence adjustment for red, blue, and green

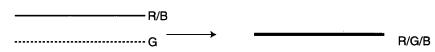


1) Adjust red/blue and green static convergence of vertical lines, by moving the protrusion of the 6-pole magnet (CRT base side), mounted on the DY neck part.

 Adjust red/blue and green static convergence of horizontal lines, by moving the two protrusions of the 6-pole magnet.

Adjustment of red/blue and green convergence of vertical lines, by moving the two protrusions of the 6-pole magnet.

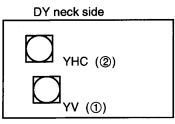
(Fig. 5-1-3 Adjustment of Red/Blue and Green Convergence of Vertical Lines)



Adjust red/blue and green convergence of horizontal lines, by moving the two protrusions of the 6-pole magnet.

(Fig. 5-1-4 Adjustment of Red/Blue and Green Convergence of Horizontal Lines)

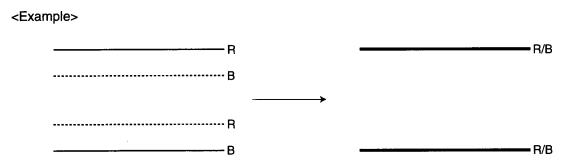
- 5-2 Method of Dynamic Convergence adjustment
- 5-2-1 Method of YV (upper/lower horizontal-line red, blue) adjustment



 Adjust red/blue wide/narrow mis-convergence of upper/ lower horizontal lines, by the use of the YV compensation VR (1) (See Fig. 5-2-1), mounted on the terminal board of the DY upper part.

DY open-port side

(Fig. 5-2-1 Outline Digaram of DY Top Terminal Board)



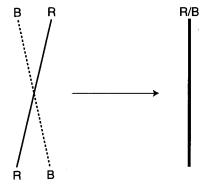
Adjust red/blue wide/narrow mis-convergence of upper/lower horizontal lines, by the use of the YV compensation VR mounted on the terminal board of the DY upper part.

(Fig. 5-2-2 Adjustment of Red/Blue Convergence of Upper/Lower Horizontal Lines)

5-2-2 Method of YH (cross of vertical-line red, blue) adjustment

1) Adjust red/blue cross mis-convergence of vertical lines, by the use of the YHC compensation VR (2) (See Fig. 5-2-1), mounted on the terminal board of the DY upper part.

<Example>



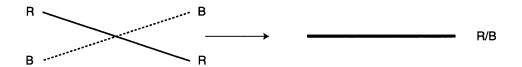
Adjust red/blue cross mis-convergence of vertical lines, by the use of the YHC compensation VR mounted on the terminal board of the DY upper part.

(Fig. 5-2-3 Adjustment of Red/Blue Cross Convergence)

5-2-3 Method of XV (cross of horizontal-line red, blue) adjustment

1) Adjust red/blue cross mis-convergence of horizontal lines, by the use of the XV compensation differential coil (below DY terminal board), mounted beneath the terminal board of the DY upper part.

<Example>



(Fig. 5-2-4 Adjustment of Red/Blue Cross Convergence)

Adjust red/blue cross mis-convergence of horizontal lines, by the use of the XV compensation differential coil mounted beneath the terminal board of the DY upper part.

5-2-4 Method of red, blue convergence adjustment at the peripheral part

- 1) Adjust mis-convergence at the peripheral part, by inserting a ferrite sheet between the DY and the CRT funnel block.
- 2) Because of relation to the DY magnetic flux, the amount of movement is small even though adjustment is attempted by inserting a ferrite sheet in the vicinity of 20° to 30° from the horizontal position. It can be said, however, that there is some effect (for mis-convergence of about 0.2mm) at the right and left ends
- For structural reasons of DY flux and CRT electron gun, adjustment of red is difficult to achieve in the left area of the tube surface. Similarly, adjustment of blue is difficult to achieve in the right area.

Note: Since there is some dispersion in convergence according to frequencies, it is necessary to confirm after adjustment, without fail, whether there is any difference in convergence between the highest and lowest frequencies of the model.

O Adjustment and inspection signal

• XP-2990/G

Adjustment of convergence

<Horizontal frequency: 93.72KHz/ Vertical frequency: 74.98Hz)</p>
<Horizontal frequency: 31.47KHz/ Vertical frequency: 59.94Hz)</p>

• XM-2960/G

Adjustment of convergence

<Horizontal frequency : 63.98KHz/ Vertical frequency : 60.02Hz)</p>
<Horizontal frequency : 31.47kHz/ Vertical frequency : 59.94Hz)</p>

CIRCUIT DESCRIPTION

Circuit Operation of HV Board (PWC-4130)

1. HV circuit

The FBT (T-5002) is driven by turning on and off the switching FET (Q5007, Q5025) based on the output from Pin 1 of the HV control module (IC2001).

Q5010, Q5015, Q5044, Q5045, and their peripheral are used to compose a high-voltage protector circuit. In case of abnormality, this circuit detects a voltage at both ends of ZD5016. By making Q5045 turned on, the X-PROT terminal (Pin 10) of IC2001 is turned "H" to suspend high-voltage oscillation.

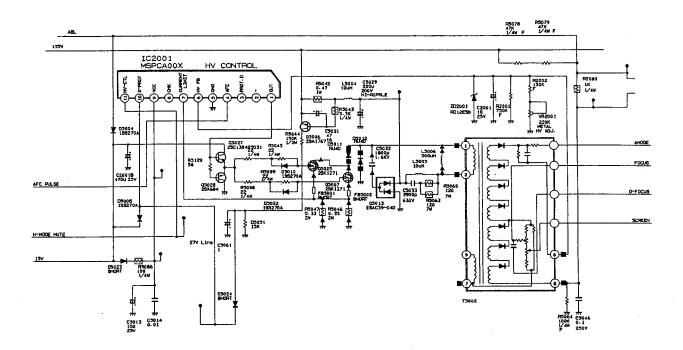


Fig. 1-a HV circuit

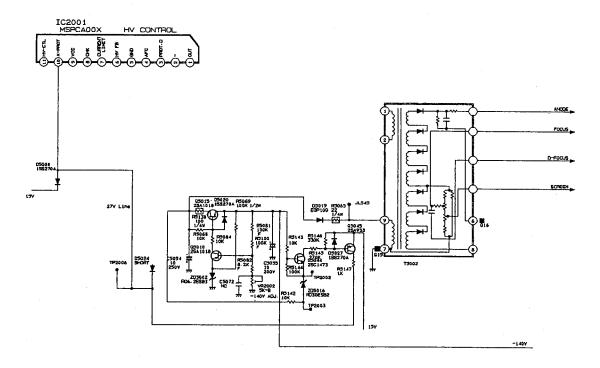


Fig. 1-b HV PROTECTOR circuit

2. Chopper circuit

This is a step-down type regulator that performs ON/OFF control of Q5001 according to the PWM output of IC1030 (mPC1885C) in the CPU/OSC board. By this circuit, output voltage is regulated according to the horizontal sync frequency and ON/OFF ratio of the PWM waveform.

The output is used as a power supply of the horizontal deflection circuit (DEF PWB/PWC-4131A).

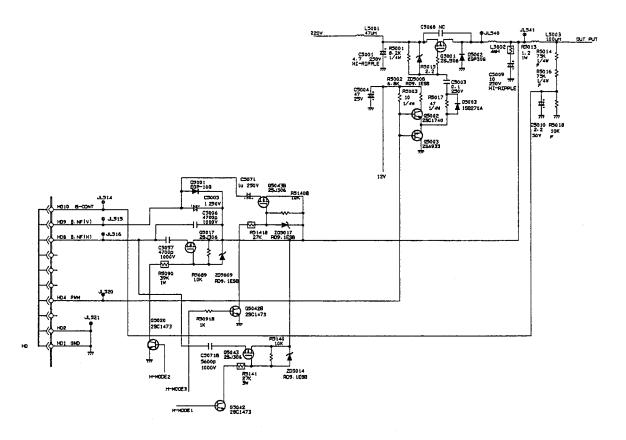
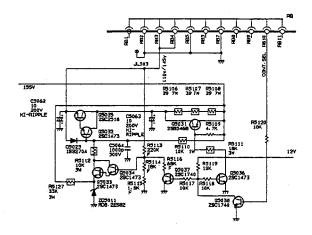


Fig. 2 Chopper circuit

3. 110V/145V changeover circuit

This is a changeover circuit consisting of Q5031 ~ Q5038, used to convert a source voltage of 155V into 145V for MODE1 (high-contrast display mode) and 110V for MODE2 (wide-band display mode).



4. Raster system DAC

IC5005 is a D/A converter for the raster system and audio. It controls H-center, H-width, H-dynamic focus, V-dynamic focus, rotation, and volume.

IC5005 Output Table

A01	H FOCUS D/A	A05	H-F/V
A02	V FOCUS D/A	A06	Not used
A03	H-CENTWE	A07	H SIZE
A04	ROTATION	A08	VOLUME

5. Dynamic focus circuit

IC5006 is used to produce a waveform for dynamic focusing based on the H-AFC pulses (Pin 17), V-SAW waveform (Pin 2), and control voltages (Pins 5, 6, 19). This waveform is processed for voltage conversion at T5003 through the AMP circuit (horizontal: Q5009, 5011, 5012, 5013, 5029, 5030/ vertical: Q5039, Q5014) and the resultant signal is fed to D-FOCUS of the FBT.

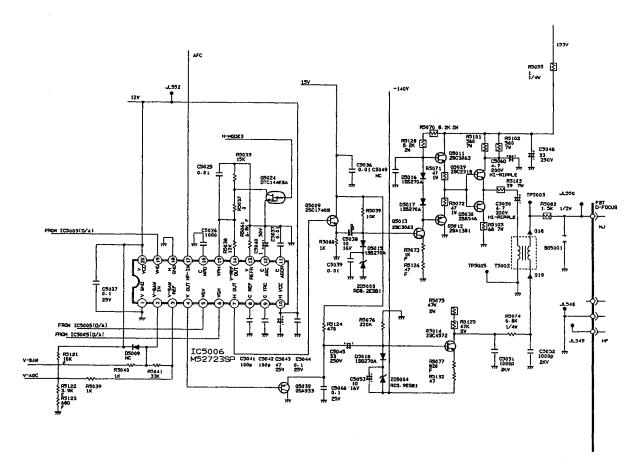


Fig. 4 D-FOCUS circuit

Circuit Operation of CPU/OSC Board (PWC-4129)

1. Main CPU circuit

This circuit is composed of the CPU (IC1004), extension I/O (IC1107), RESET (IC1008), EEPROM (IC1006), and bus-control IC (IC1003, IC1005). It controls overall operation of the set.

Each I/O operation except for that of buses for IC1004 and IC1007 is shown in Tables 1 and 2.

2. SUB-CPU circuit

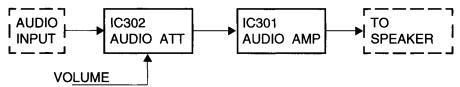
This circuit is composed of the bus control, main CPU interface (IC1014, IC1015), and SUB-CPU (IC1010) plus RS232C control (IC1011, IC1012, IC1013), intended to control PC control operation.

3. Audio circuit

The audio output is amplified by AUDIO AMP (IC1301).

The output level is regulated by controlling the attenuation of AUDIO ATT (IC1302) at the previous stage, based on the volume signal voltage.

VR1310 is a variable resistor for L/R balance adjustment.



4. Sync processing circuit

This circuit is composed of the sync processing circuit (IC1030) and the feedback circuit (IC1032). It employs μ PC1885C as a sync processing IC.

Functions of the µPC1885C are as follows:

- · Communication with the main CPU through the I2C bus
- Sync frequency measurement
- · Sync type and polarity discrimination
- · Vertical saw-teeth wave (V-SAW) output
- Horizontal drive output → Horizontal deflection drive signal
- PWM output → Controlling the drive conditions by controlling the chopper circuit (Q5001) on the HV board and changing the source for horizontal deflection
- Deflection compensation → Compensation for horizontal position, horizontal size, side pin (corner, balance), trapezoid, parallelogram, vertical size, vertical position, vertical S/C character IC1032 accommodates various feedback circuits for horizontal deflection to IC1030.

5. Vertical deflection

The saw-teeth waveform from IC1030 is DC-level-converted to the 0V center by IC1401, and amplified at IC1402. The resultant signal is taken out as a vertical deflection output.

IC1402 incorporates a pump-up circuit (switching circuit) functioning during vertical tracing period. The power source to be applied is a voltage regulated to about 100V by Q1407 during the retrace period.

6. Rotation circuit (ROTATION COIL DRIVE)

The current flowing in the rotation coil is controlled by the voltage of rotation signal applied to IC1033. This current is used to control the gradient (rotation).

7. Miscellaneous circuits

Front SW ON detection

For the voltage change (0V for switch ON/ 7.5V for switch OFF) at Pin 5 of the connector CP, a delay feature is provided by C1097 in order to identify whether power ON has been made by a switch or by AC closure.

Source circuit

Except for 155V and 200V, all source voltages from the DC-PS pass through the CPU/OSC board, and are extended to each board.

③ Clamp pulse width control

Using IC1031, the width of clamp pulses is adjusted to a required width during the period of vertical retrace, to be used with video process and OSM display timing.

Table 1. IC1004 I/O

PIN	~	PIN	I/O	Active	Operational descriptions
1	1	4	_	L	External control
5	۲	8	1/0	L	I ² C bus control
9	۲	10	0		Serial I/F control
		11	0	L	Peripheral circuit reset
		12	I/O	Н	μPC1885C free-run adjustment start check
13	~	16	ı	Н	Key scan
		35	ı	H	Front power switch detection
		36	_	Н	Rise-of-source detection
		37	L	Н	Fan stop detection
		38			Not used
		43		L	Reset input
		44	ı	Н	PC control interrupt
		46	(l)	(H)	μPC1885C wink (not used)
		47	ı	L	Remote control data input
		53	1	Н	V-CUT switch (S1401) detection
55	2	56	0		H/L output according to horizontal sync frequency
		57	0	Н	Degauss control
		58	0	Н	Power source control
59	~	61	0	Н	Key scan pulse output

Table 2. IC1007 I/O

PIN	I/O	Active	Operational descriptions
2	0	_	H/L output according to horizontal sync frequency
3	0		HI-CONTRAST (L)/WIDE BAND (H) changeover
11	0	Н	Horizontal protection output
13	0	L	OSM IC (IC8003) CS
14	0	Н	SIOP IC (IC5503) CS
15	0		Not used
16	0	Н	Raster system IC (IC5005) CS
17	0	Н	Visual system IC (IC8002) CS
19	0	Н	6.3V control signal for heater
20	0	Н	Horizontal cut signal to OSC IC (IC1030)
21	0	L	Video mute signal
22	0	· L	Audio mute signal
37	0	Н	Red LED lighting signal on SW-LED board
38	0	Н	Green LED lighting signal on SW-LED board
39	0		Input1 (L) /2 (H) changeover signal
40	0		Input VIDEO (L) /RGB (H) changeover signal

Circuit Operation of Power Unit

- 1. Functions and performance
 - PFC (harmonic prevention) circuit
 - T6101 (220V, 155V, ±22.55V, 27V, 22.55V, and 15V)
 - T6102 (12V, 7.5V, and 6.3V)
 - · Overvoltage, overcurrent protective circuits

2. Outline circuit operation

① PFC (harmonic-related measures) circuit

This is a step-up type converter circuit composed of a choke coil (L6104), switching transistors (Q6101, Q6102), a rectifier diode (D6102), and a rectifier capacitor (C6120). This circuit is controlled so that AC input current and the voltage at both ends of rectifier capacitor are detected to control the switching transistor's duty, in order to decrease the harmonic component of the input current. The rectifier capacitor voltage amounts to DC 240V ~ 420V.

② Circuits of 220V, 155V, ±22.55V, 27V, 22.55V, and 15V

This is a DC/DC switching converter circuit composed of a control IC (IC661), switching transistors (Q6104, Q6105), a switching transformer (T6101), rectifier diodes (D6161 ~ D6167), and rectifier capacitors (C6171, C6173, C6175, C6177, C6179, C6181, C6182, C6184). For output voltage control, 155V is detected, the voltage divided by the resistors R6169, R6171, and R684 plus the volume control VR681 is applied to the reference terminal of the shunt regulator IC681, the signal compared by the comparator in this IC is transmitted to Pin ® of the primary IC661 through the photo-coupler (PC6101), and the voltage at the reference terminal of IC681 is controlled to 2.5V by controlling the ON/OFF duty of the switching transistor by this signal.

3 Standby source circuits for 12V, 7.5V, and 6.3V

This is an RCC power source composed of a switching transistor (Q6106), a switching transformer (T6102), rectifier diodes (D6168, D6170), and rectifier capacitors (C6186, C6188).

For output voltage control, 7.5V is detected by the resistor R6180, the voltage divided by the resistor R6181 is applied to the reference terminal of the shunt regulator IC6165, the signal compared by the comparator in this IC is transmitted to the base of the primary transistor Q671 through the photo-coupler (PC6103), and the voltage at the reference terminal of IC6165 is controlled to 2.5V by controlling the oscillation frequency of the switching transistor by this signal.

- 4 Overvoltage, overcurrent protective circuits
 - 4)-1 Overvoltage protection

There is an overvoltage protective circuit provided to the block of the switching transformer T6101. The output voltage on its secondary side is detected, and if any abnormality is found, all outputs on the secondary side except for the standby sources are lowered for latching to assume a condition of oscillation stop. For resetting to cancel latching, an input of L (0V) \rightarrow Hi (5V) is applied to the Power ON/OFF (Connector: DC Pin 7).

4)-2 Overcurrent protection

Currents flowing in the source and the emitter of the primary switching transistor of the switching transformers (T6101, T6102) are detected. When an overcurrent is sensed, the protective circuit functions to lower the output voltage.

When an overcurrent flows in the output circuit of the T6101 transformer and a condition of output voltage reduction continues for few seconds, all secondary outputs other than the standby power source are lowered for latching, in order to assume a condition of oscillation stop.

This latching operation takes place in the same circuit as that for overvoltage protective operation. Resetting is effected by the same operation to eliminate the state of latching.

In the case of overvoltage protection of outputs for 27V, 15V, 12V, and 6.3V, the outputs are lowered to the level of the line since this protection is contained in the domain of Character V for the 4-terminal regulator.

DEF PWB Circuit Operation

Description of horizontal deflection circuit operation

1. Horizontal drive circuit

This circuit is intended to supply current to the base of the horizontal output transistor Q5501 through T5502, by switching the Q5505 with horizontal drive pulses at Pin ① of the "HL" connector.

The base current of Q5501 requires to be controlled by horizontal amplitude. Since this current is dependent on the emitter voltage of Q5508, voltage control is effected by utilizing the width control voltage at Pin (9) of the "HL" connector for the regulator circuit consisting of IC5501, Q5508, Q5509, and Q5510.

2. Horizontal deflection output circuit

The current flowing in the deflection yoke is maintained in the former half of scanning when D5501 is turned on, and in the latter half of scanning when Q5501 is turned on. The flyback period is dependent on the resonance current that is attributable to C5501, C5501B, C5502B, C5502B, C5503, and deflection yoke. Changeover of various capacitors is based on the table below.

	RL5503	RL5504		
f H=15KHz	ON	ON		
f H=31~66KHz	ON	OFF		
f H=66~95KHz	OFF	OFF		

The horizontal amplitude is controlled based on the source (Pin ③ of the "HF" connector) of the horizontal output circuit, so that the crest value of horizontal pulses (Pin ⑦ of the "HG" connector) potential-divided by C5507, C5507B, and C5508 is kept constant for each horizontal frequency.

Q5502B, and Q5503 are turned off during the flyback period. At that time, being fed negative horizontal pulses from Pin ③ of the T5501 winding, this circuit gains very much deflection current. This control is effected by the ON/OFF control of Q5504, using horizontal pulses from Pin ⑤ of the T5501 winding. When the frequency (fH) is 15kHz, RL5505 is turned off so that no voltage can be applied from the winding.

3. Horizontal linearity compensation circuit

3-1. Dynamic linearity coil control circuit

This is a circuit consisting of IC5502, Q5527, Q5528, Q5529, and Q5530, utilizing the H-F/V voltage at Pin of the "HL" connector. By changing currents in the control windings of T5503, T5504, T5505, and T5506, coil's inductance is regulated according to the horizontal frequency. In addition, changeover is conducted among coils. This changeover conforms to the table below.

	RL5501	RL5502		
f H=15KHz	OFF	OFF		
f H=31~66KHz	ON	ON		
f H≃66~95KHz	ON	ON		

CIRCUIT DESCRIPTION

3-2. Character-S compensation changeover circuit

Capacitor changeover is effected for Character-S compensation according to the horizontal frequency. Changeover is performed with the data from the CPU, and the control voltage is output from IC5503. Changeover among Q5520 to Q5526 conforms to the table below.

MODE	Frequency range	Vertical	Q5226	Q5225	Q5224	Q5522	Q5523	Q5521	Q5520
MODE1	15.7KHz		ON						
MODE2	31~32.5KHz		ON	ON	ON	ON	ON	OF	OFF
MODE3	32.5~34.4KHz		ON	ON	ON	ON	ON	OFF	OFF
MODE4	34.4~36.5KHz	> 80Hz	ON	ON	ON	ON	ON	OFF	OFF
		< 80Hz	ON	ON	OFF	ON	ON	OFF	OFF
MODE5	36.5~42KHz		OFF	OFF	OFF	ON	ON	OFF	OFF
MODE6	42~45KHz		OFF	OFF	ON	OFF	ON	OFF	OFF
MODE7	45~49KHz		ON	ON	OFF	ON	OFF	OFF	OFF
MODE8	49~51KHz		ON	OFF	OFF	ON	OFF	OFF	OFF
MODE9	51~57.5KHz		OFF	OFF	OFF	ON	OFF	OFF	OFF
MODE10	57.5~62KHz		ON	ON	ON	OFF	OFF	OFF	OFF
MODE11	62~70KHz	< 80Hz	ON	OFF	ON	OFF	OFF	OFF	OFF
		> 80Hz	OFF	OFF	ON	OFF	OFF	OFF	OFF
MODE12	70~79KHz		ON	ON	OFF	OFF	OFF	OFF	OFF
MODE13	79~83KHz		OFF	ON	OFF	OFF	OFF	OFF	OFF
MODE14	83~89.5kHz		ON	OFF	OFF	OFF	OFF	OFF	OFF
MODE15	89.5~95KHz		OFF						

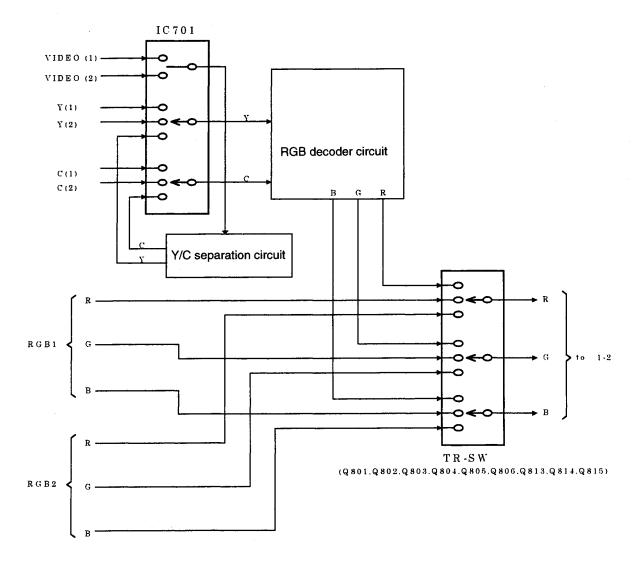
4. Horizontal raster position control circuit

The control voltage of H-CENTER at Pin ① of the "HL" connector is amplified by IC5501 and Q5511 to control the emitter voltage of Q5512 and Q5513. In this state, DC current is led to the deflection yoke through R5604, R5534, and L5504, so that the horizontal raster position can be changed.

Video-I/O PWB (PWC-4127A) circuit operation

1. Input video changeover block

The RGB input signals of RGB1 (D-SUB) and RGB2 (BNC) are chosen with TR-SWs (Q801, Q802, Q803, Q804, Q805, Q806, Q813, Q814, and Q815,). The system of composite video signals is chosen by IC701, and similarly sent to the TR-SW. In this case, however, selection of the VIDEO input/S terminal (Y, C in the drawing) is performed by IC701 by detecting the insertion of an S-terminal connector with a mechanical switch. The decoder RGB output from the RGB decoder circuit is sent to the TR-SW. The RGB video signal selected by the TR-SW is sent to the video output circuit (RGB-out PWB).



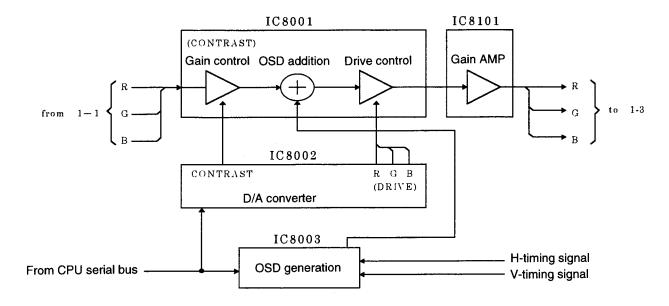
* During RGB1 selection, Q801, Q802, and Q803 are turned on.

During RGB2 selection, Q804, Q805, and Q806 are turned on.

When VIDEO is selected, Q813, Q814, and Q815 are ON, and other modes are OFF.

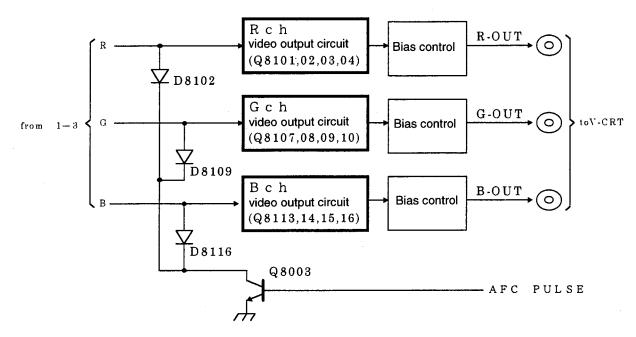
2. OSD addition, contrast, drive control circuit

The RGB signal output from the input signal changeover circuit is entered in IC8001. After gain (contrast) control and OSD signal addition processing, the signal is then processed by drive control. Its gain is amplified by IC8101 again and the resultant signal is sent to the video output circuit. The OSD signal is output from IC8003 by the use of a serial bus signal from the CPU, and then sent to IC8001. IC8002 is a D/A converter for serial data input, installed for the purpose of video signal control. Contrast and drive control signals are output from IC8002 by virtue of a serial bus signal from the CPU. These signals are similarly sent to IC8001.



3. RGB output circuit

After OSD addition and contrast/drive control, the RGB signals are added with peak clamp pulses by the prestage diodes and transistor (D8102, D8109, D8116, Q8003). Since then, these signals are entered in the video AMP circuit. The RGB signals, amplified to a level enough to drive the cathode, are peak-clamped (bias control) by the pulses added at the previous stage. The signals are finally sent to the VIDEO-CRT board through the output coaxial connector.



4. Y/C separation (digital comb filter), RGB decoder circuits

The COMB FIL block is in charge of Y/C separation for the NTSC/PAL signals. The CXD2024AQ is an NTSC/PAL-compatible adaptive field comb filter, involving an 8-bit D/A and 4-line delay line configuration, realizing high-accuracy Y/C separation with a single chip. For the signals of SECAM/4.43NTSC, Y/C separation is carried out by the band-pass filter after the signals have passed the buffer of Q7403. The separated Y signal is chosen by IC7202 according to the system discrimination signal (VIDEO MODE), and then input to IC7210. The separated C signal is similarly chosen by IC7205 and fed to IC7210. The input signal from the S terminal is fed to IC701 and selected according to the operation mode. The Y/C signal input to IC7210 is RGB-converted and then output. IC7210 is an RGB decoder, incorporating a function of I²C serial bus control. Various controls for signal decoding (COLOR, TINT, etc.) are conducted according to the serial data supplied from the CPU.

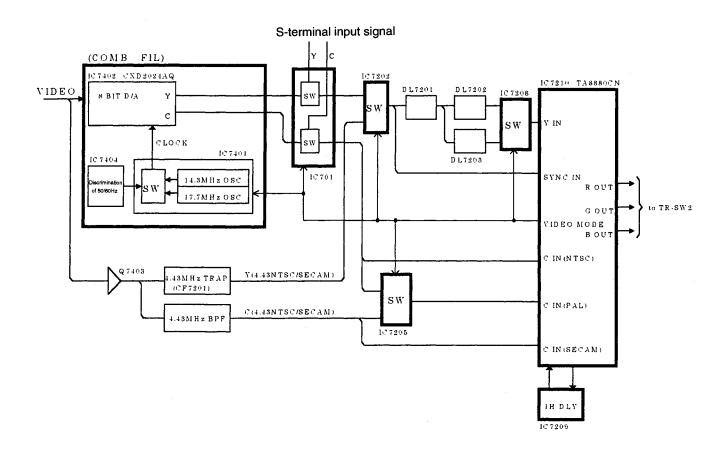
<Information for reference>

Corresponding signaling mode: NTSC/PAL/SECAM/4.43NTSC (4 modes in all)

Changeover is effected according to the signals (VIDEO MODE) in the drawing.

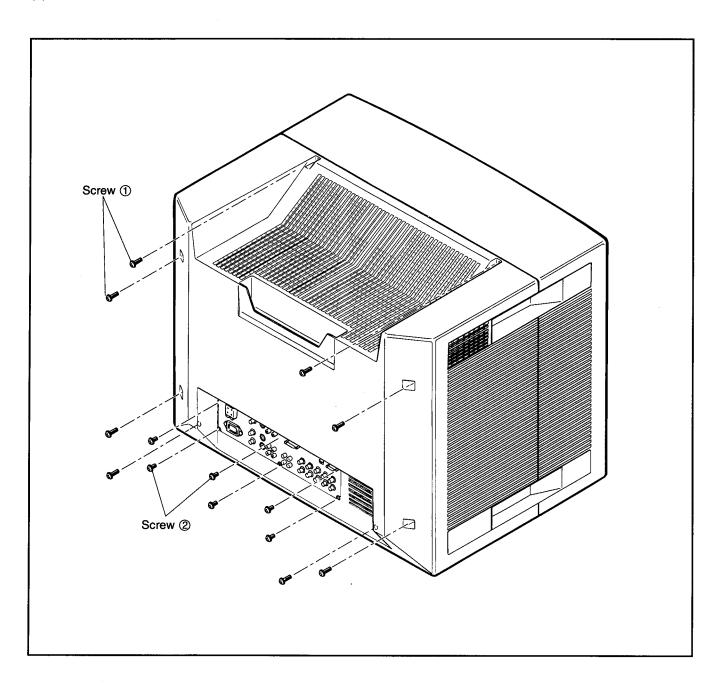
Oscillation clock of IC7401: 14.3MHz = 3.57 * 4 (NTSC mode)

17.7MHz = 4.43 * 4 (PAL mode)



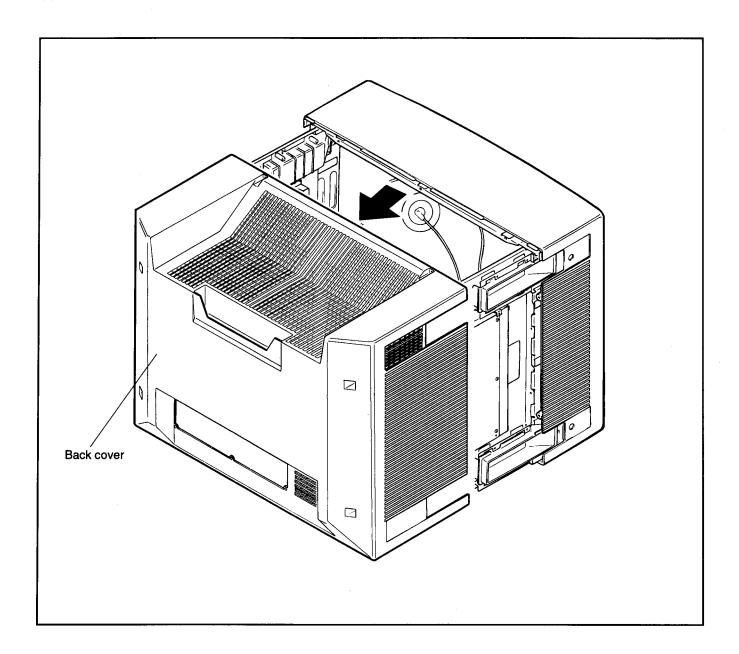
1.

(1) Remove 6 screws ① and 8 screws ②.



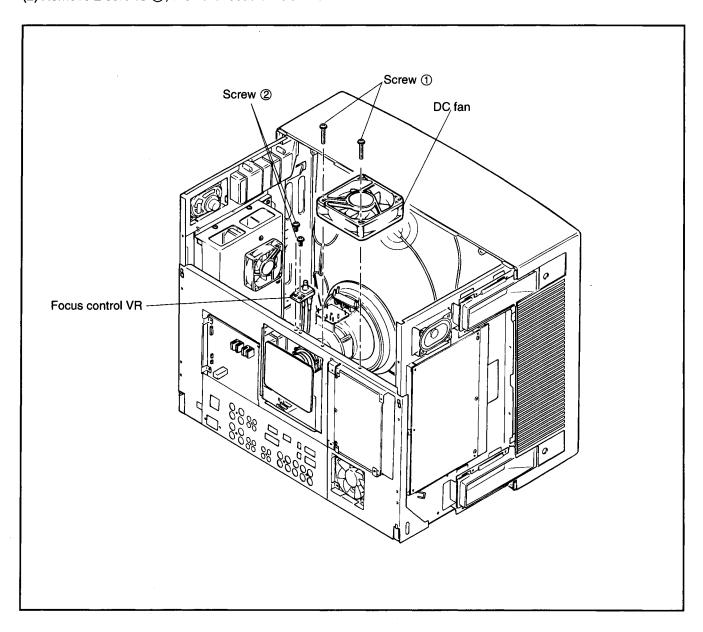
2.

(1) Pull the back cover rearward till it comes off.



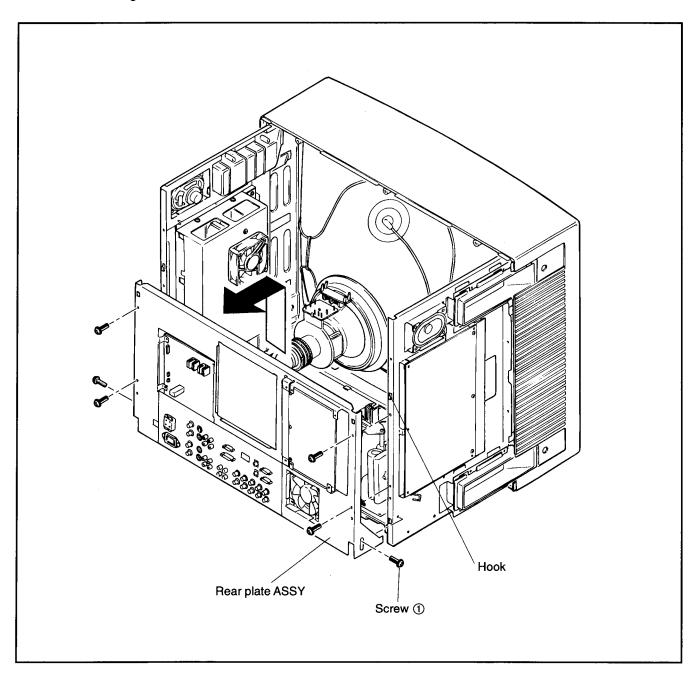
3.

- (1) Remove 2 screws ①, then the DC fan.(2) Remove 2 screws ②, then the focus control VR.



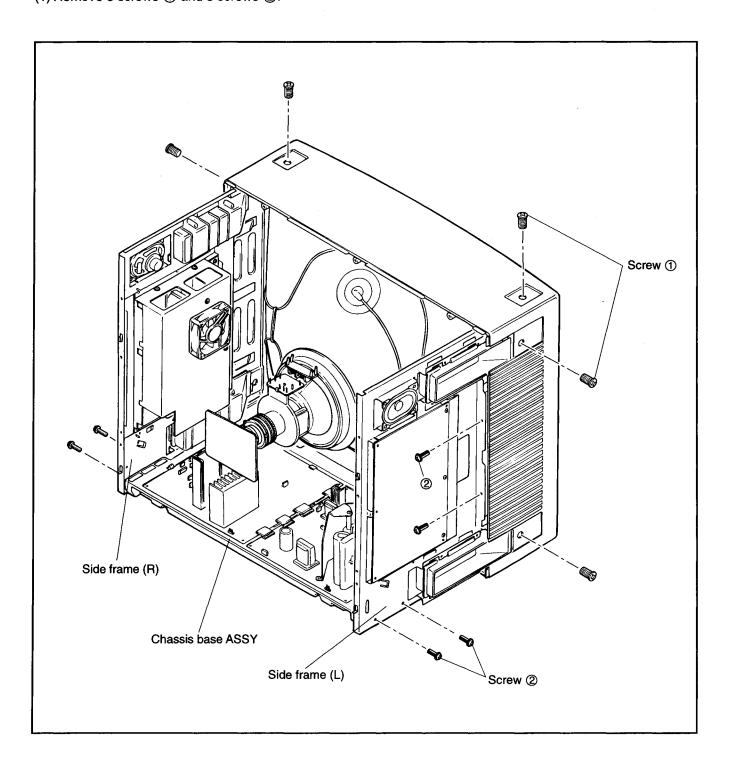
4.

(1) Remove 6 screws ①, then the rear plate ASSY from the feet of the right and left hooks.



5.

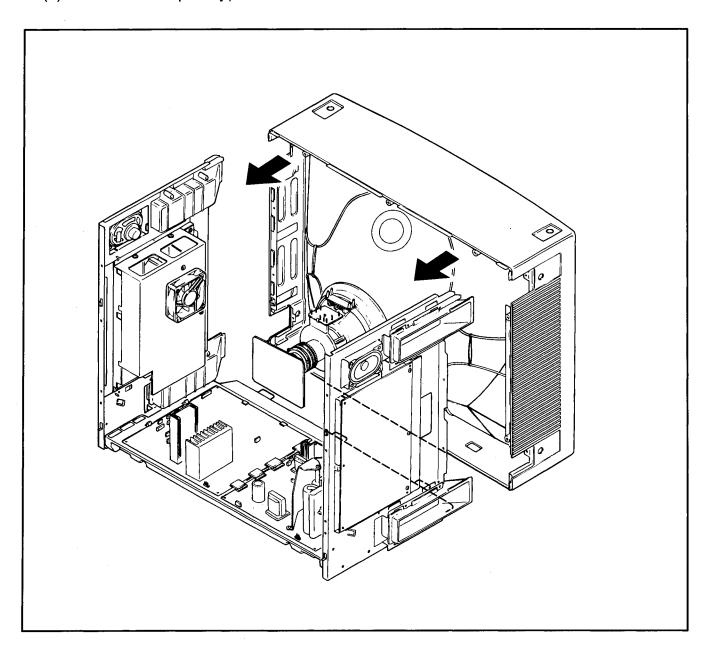
(1) Remove 6 screws ① and 8 screws ②.



6.

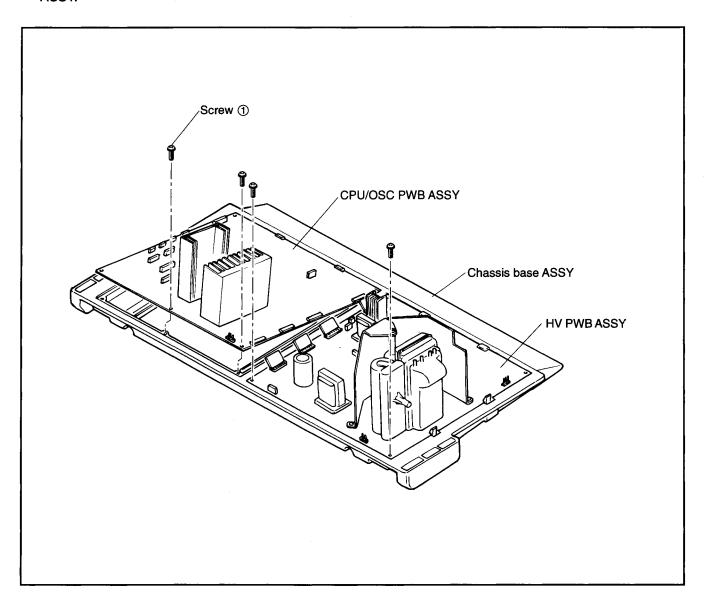
(1) Pull out the chassis base ASSY and side frames

(The chassis base ASSY and side frames (L) and (R) can be removed separately.)



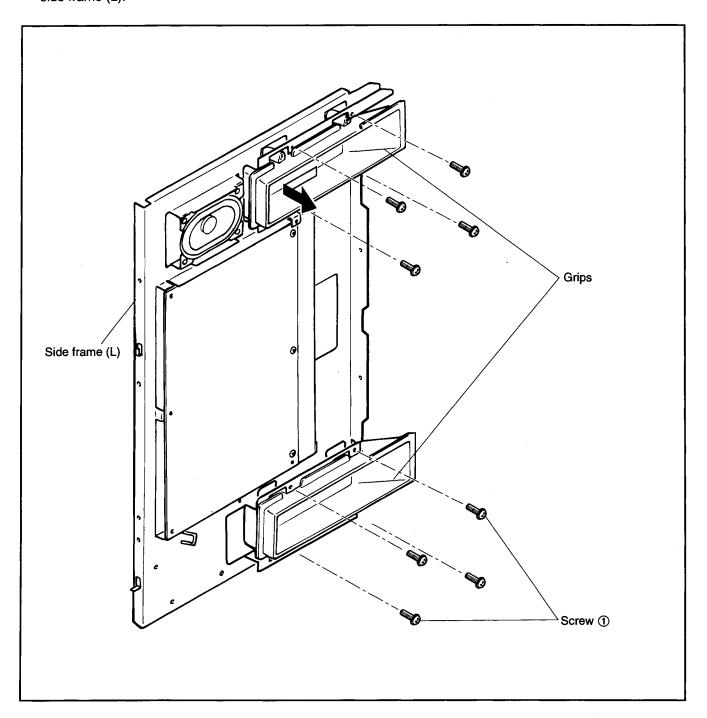
7.

(1) Remove 4 screws ①, and take the CPU/OSC PWB ASSY and HV PWB ASSY from the chassis base ASSY.



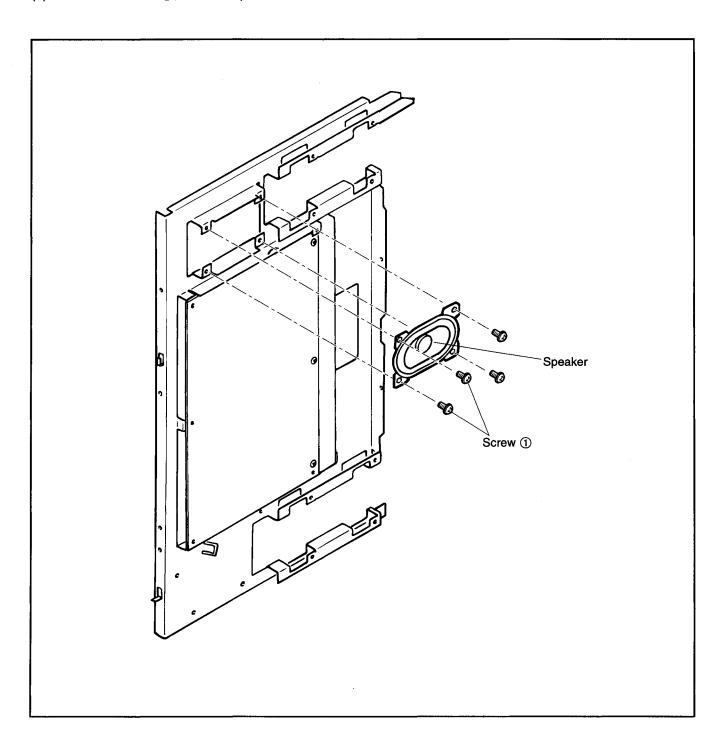
8.

(1) Remove 7 screws ①, and take the grips from the side frame (L).



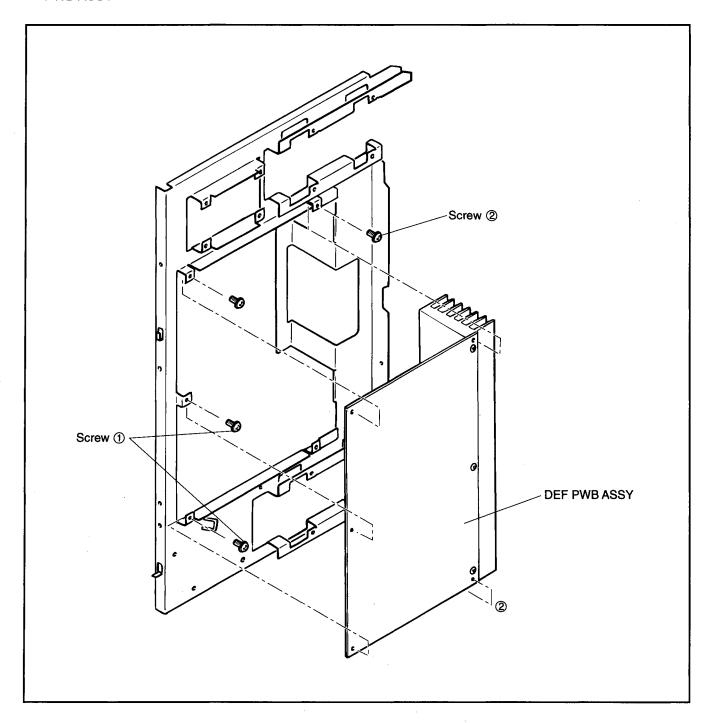
9.

(1) Remove 4 screws ①, then tha speaker.



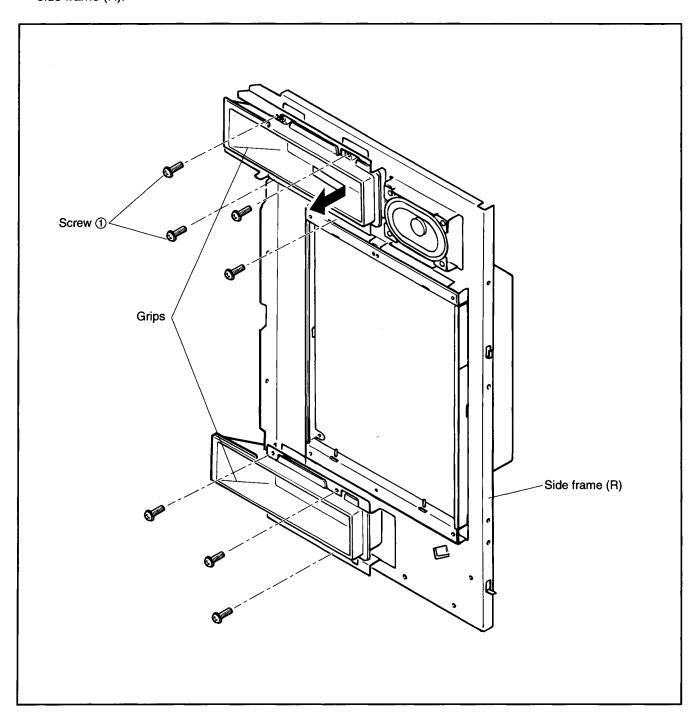
10.

(1) Remove 3 screws ① and 2 screws ②, then the DEF PWB ASSY



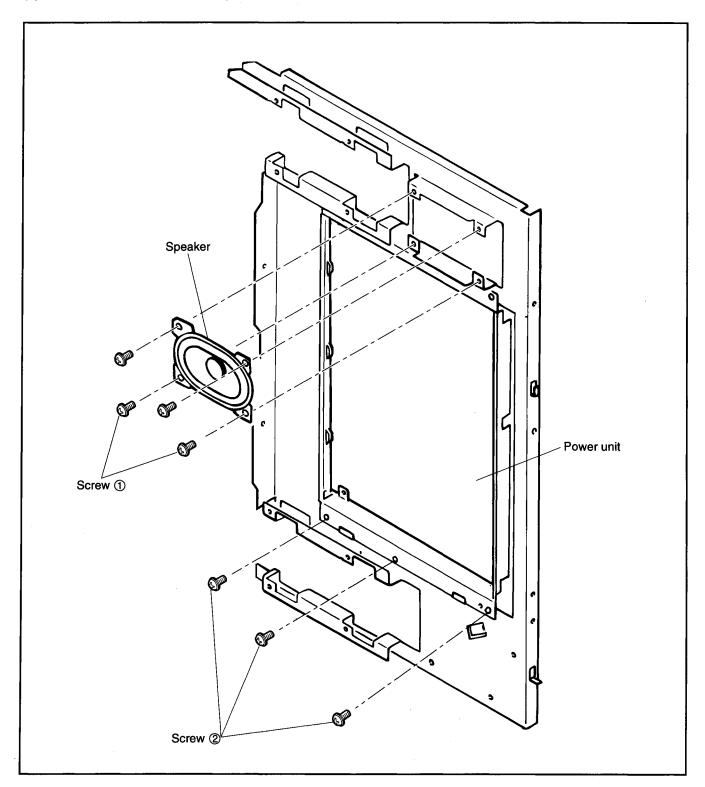
11.

(1) Remove 7 screws 1, and take the grips from the side frame (R).



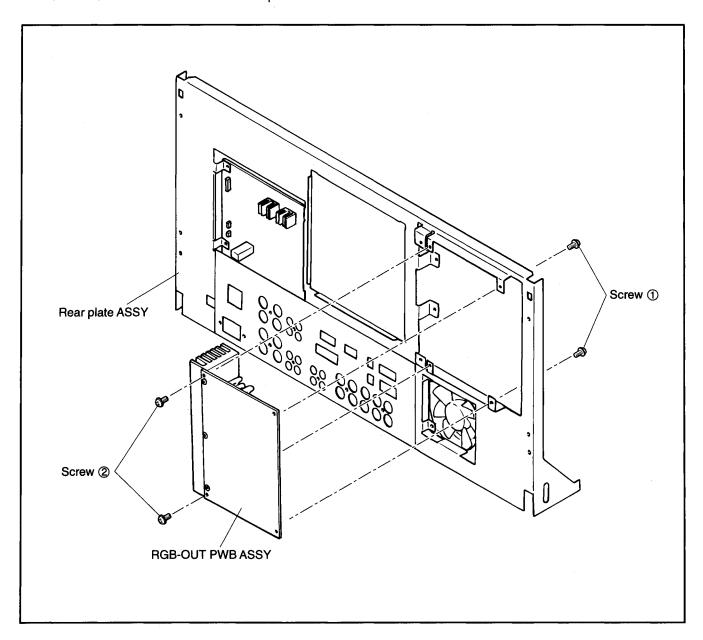
12.

- (1) Remove 4 screws ①, then the spaker.(2) Remove 6 screws ②, then the power unit.

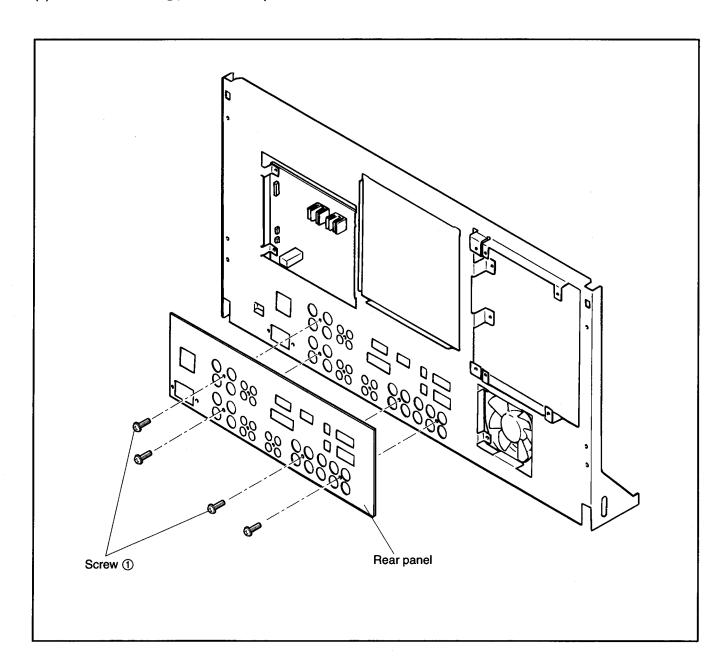


13.

(1) Remove 2 screws ① and 2 screws ②, and take tha RGB-OUT PWB ASSY from the rear plate ASSY.

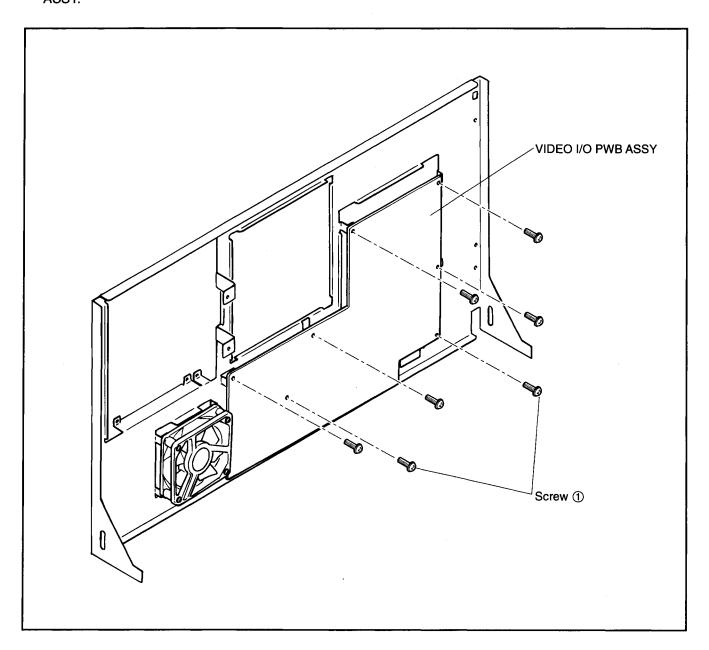


14.(1) Remove 4 screws ①, then the rear panel.

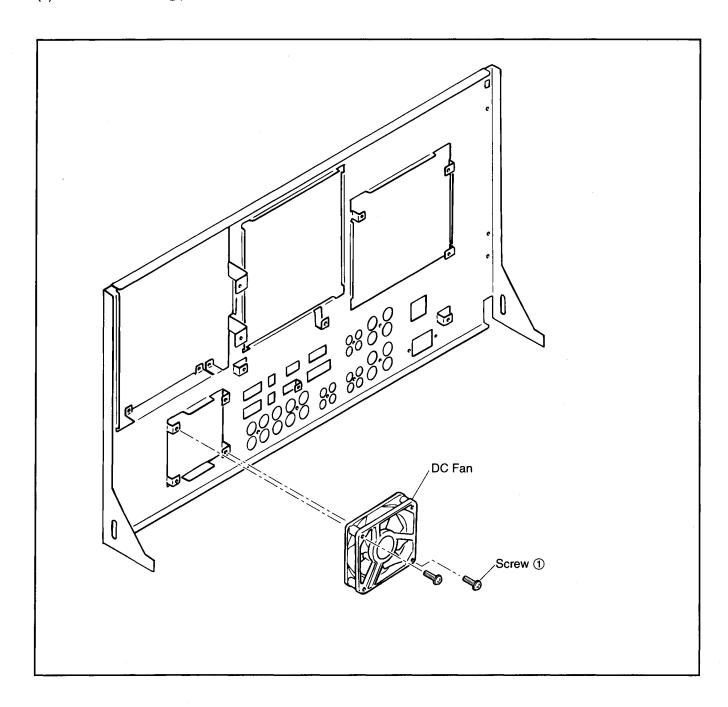


15.

(1) Remove 7 screws ①, then tha VIDEO I/O PWB ASSY.

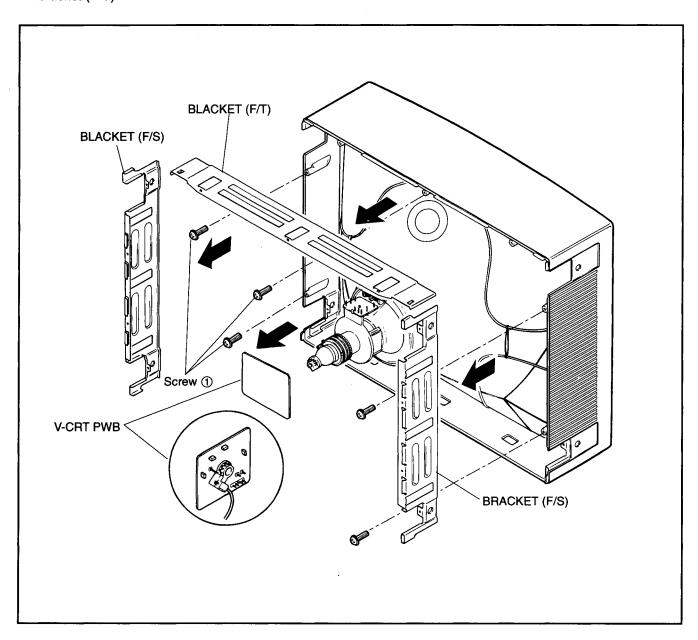


16. (1) Remove 2 screws ①, then the DC fan.



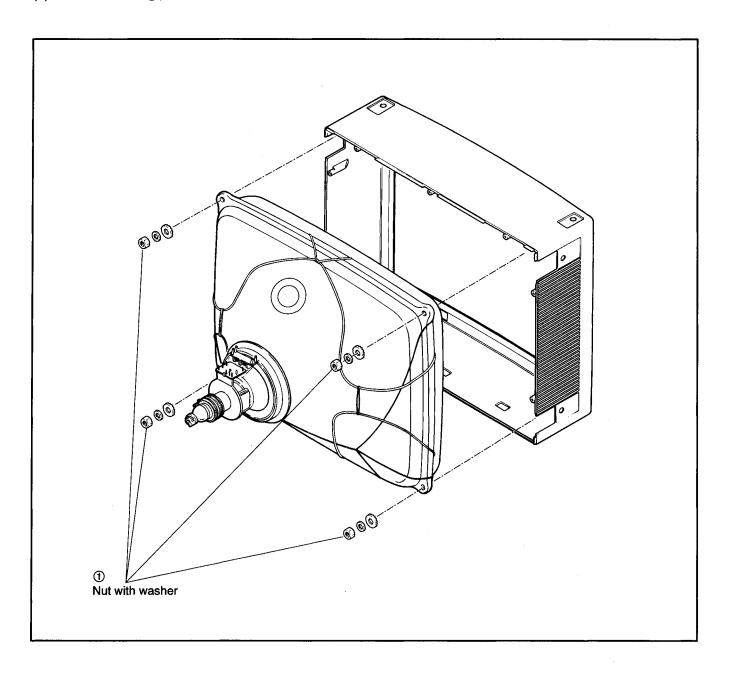
17.

(1) Remove 5 screws ①, then the bracket (F/T) and bracket (F/S).



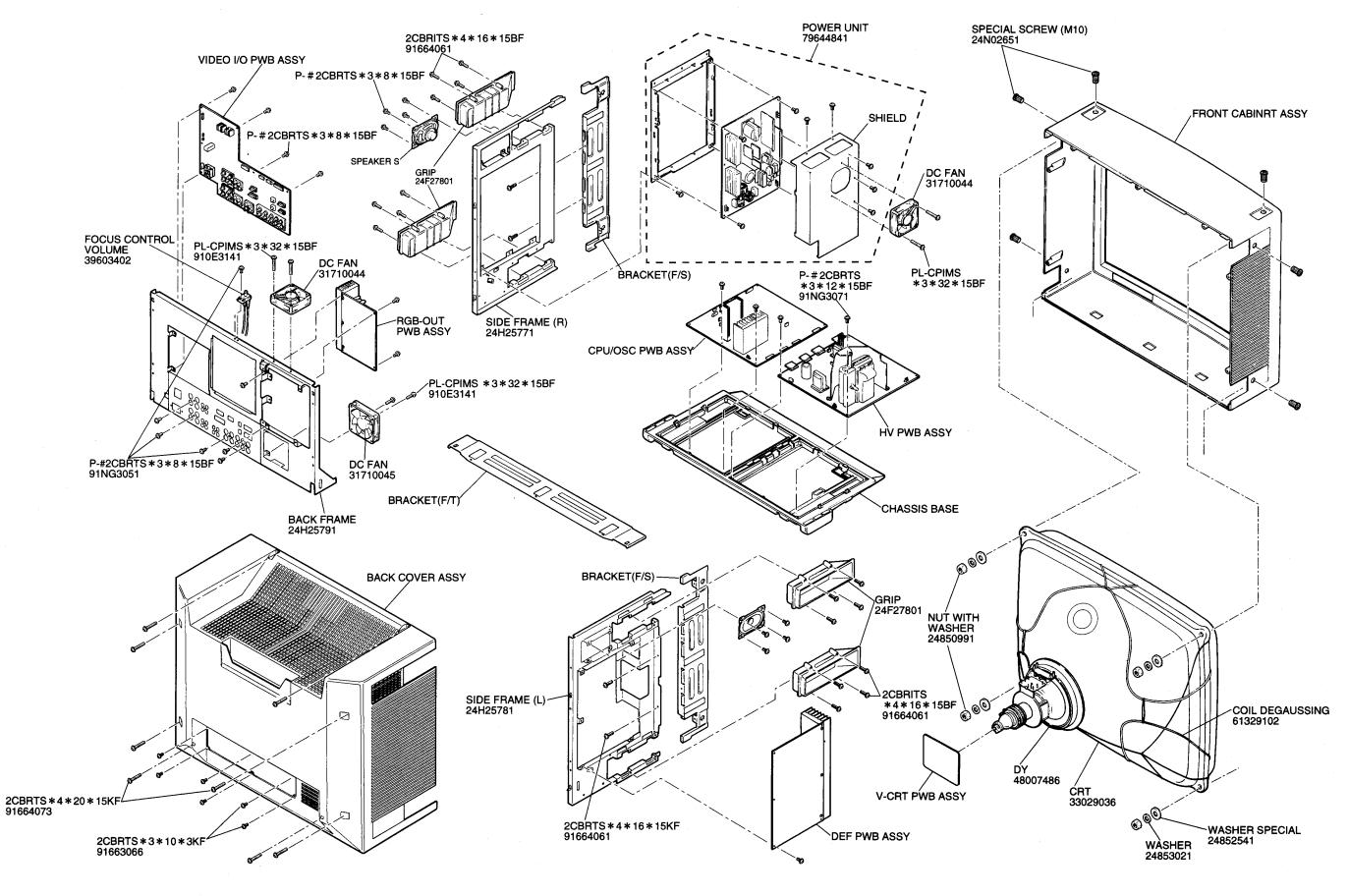
18.

(1) Remove 4 nuts ①, and take out the CRT.

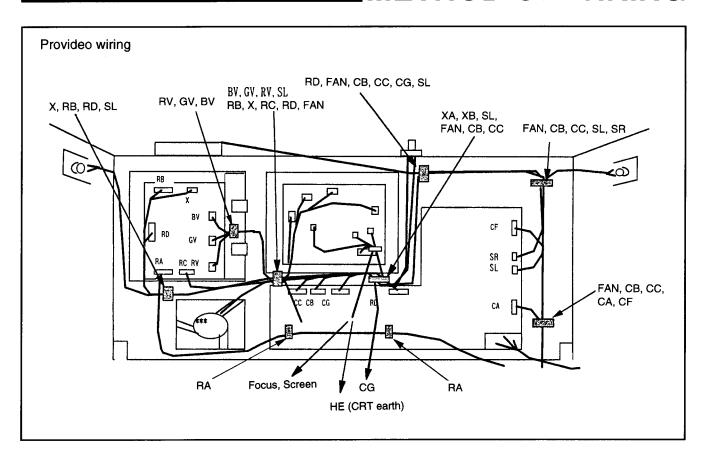


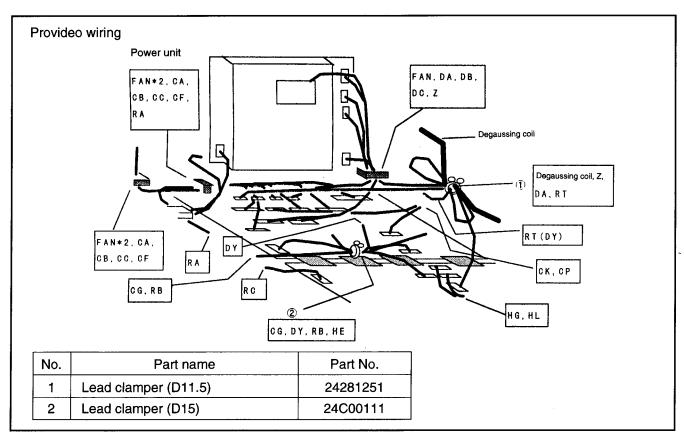
MEMO

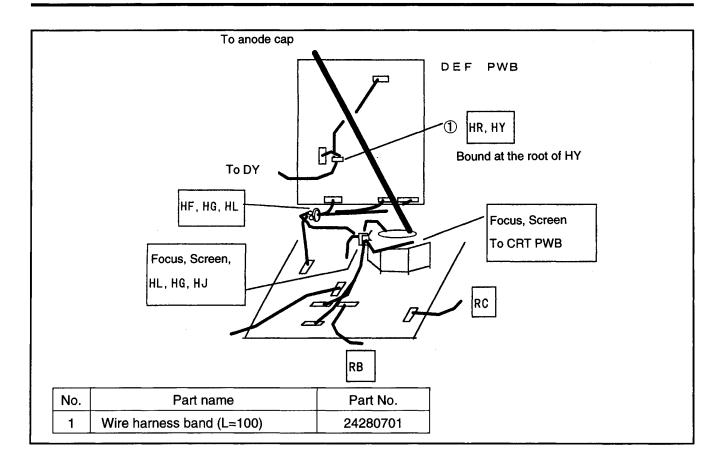
DISASSEMBLY

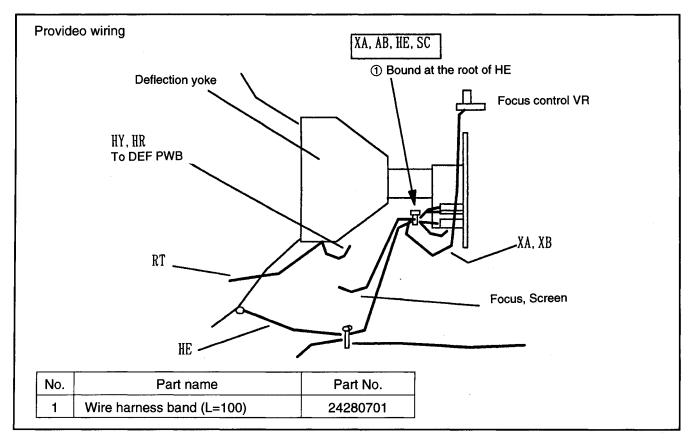


METHOD OF WIRING

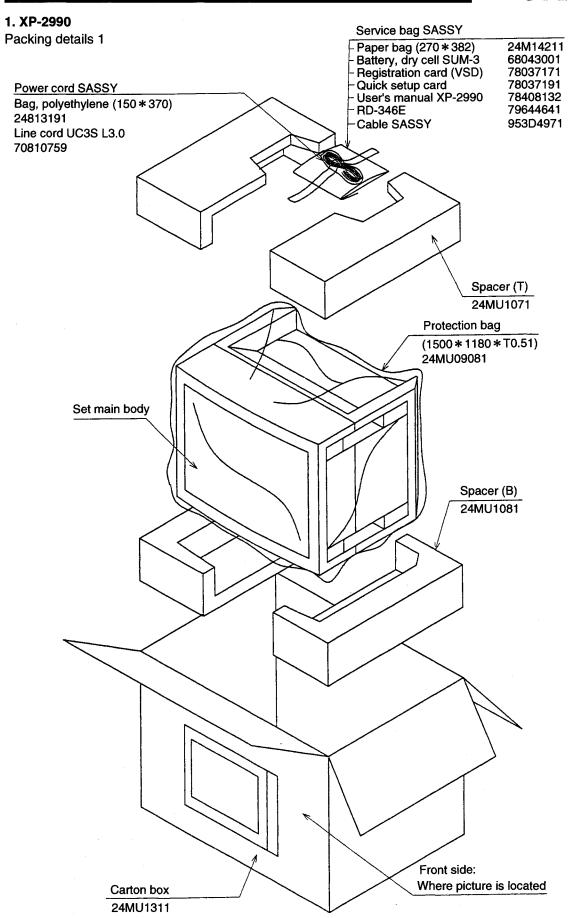








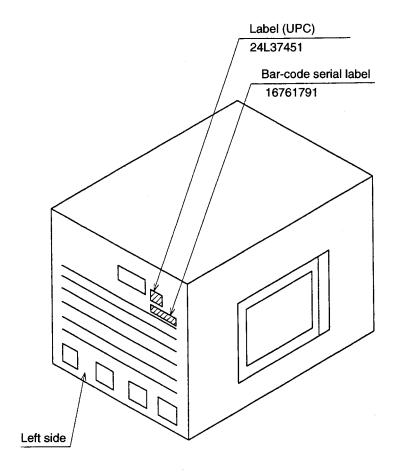
PACKAGING



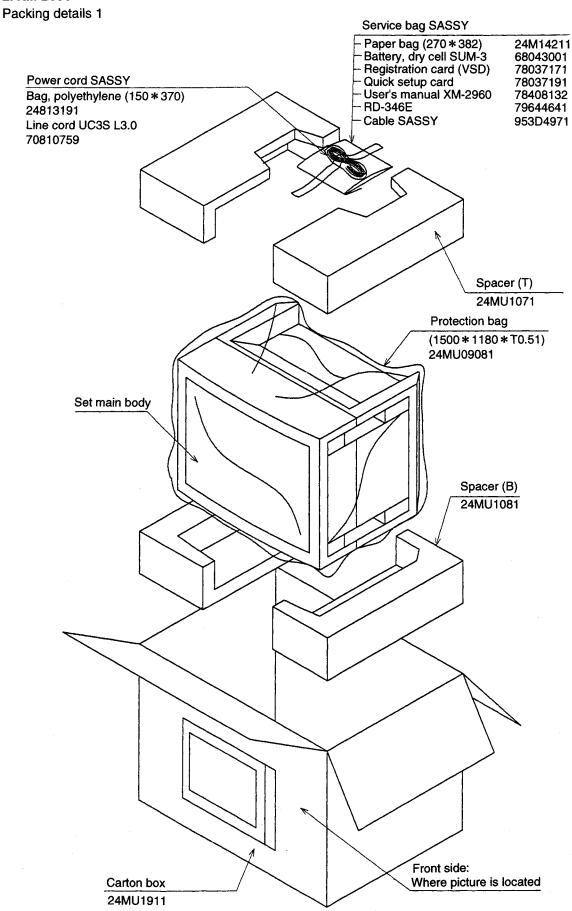
Packing details 2

Necessary items shall be printed on the bar-code serial label (16761791), which shall then be stuck to the right side of the carton box. (Contents of printing shall conform to the instructions from production Engineering Div.)





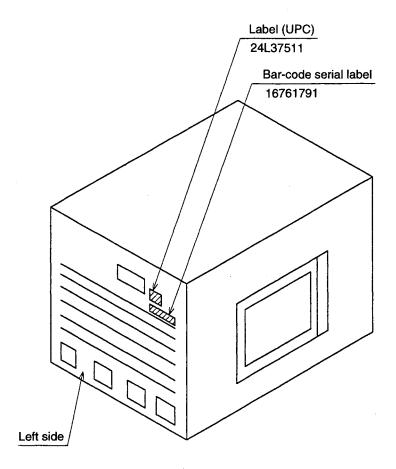
2. XM-2960



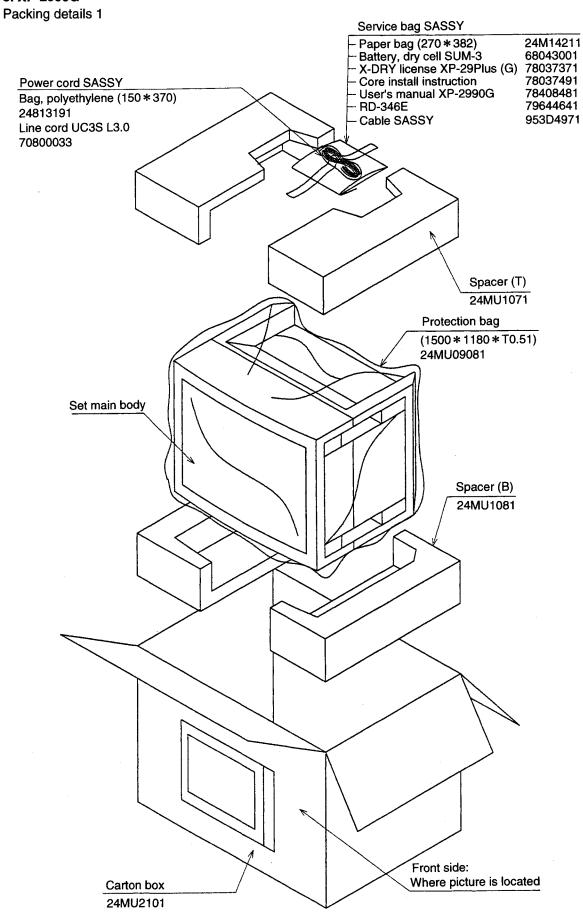
Packing details 2

Necessary items shall be printed on the bar-code serial label (16761791), which shall then be stuck to the right side of the carton box. (Contents of printing shall conform to the instructions from production Engineering Div.)





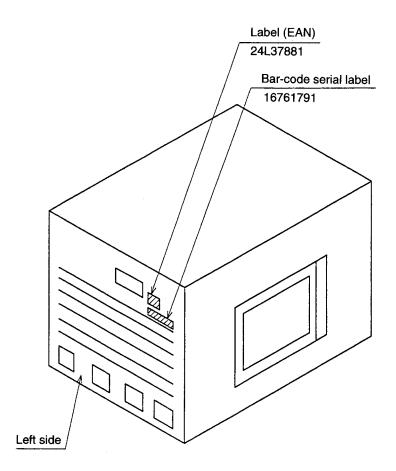
3. XP-2990G



Packing details 2

Necessary items shall be printed on the bar-code serial label (16761791), which shall then be stuck to the right side of the carton box. (Contents of printing shall conform to the instructions from production Engineering Div.)





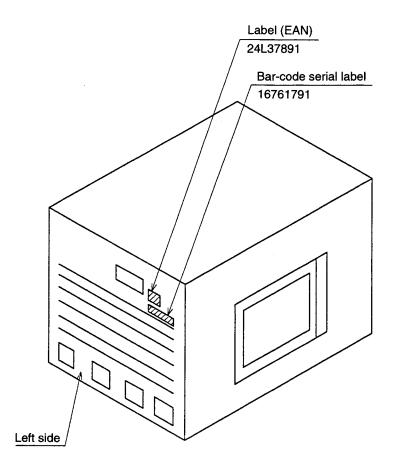
4. XM-2960G

Packing details 1 Service bag SASSY -Paper bag (270 * 382) -Battery, dry cell SUM-3 -X-RAY license XP-29Plus (G) 24M14211 68043001 78037371 78037491 78408481 Core install instruction Power cord SASSY User's manual XM-2960G Bag, polyethylene (150 * 370) RD-346E 79644641 24813191 953D4971 Cable SASSY Line cord UC3S L3.0 70800033 Spacer (T) 24MU1071 Protection bag (1500 * 1180 * T0.51) 24MU09081 Set main body Spacer (B) 24MU1081 Front side: Where picture is located Carton box 24MU2111

Packing details 2

Necessary items shall be printed on the bar-code serial label (16761791), which shall then be stuck to the right side of the carton box. (Contents of printing shall conform to the instructions from production Engineering Div.)





REPLACEMENT PART LIST

Notes:

- Parts orders must contain model name, parts number and description.
- When you place an order for spare parts, please refer to the respective service manual and mention the right parts number on your P.O. Sheets.

1. XP-2990

1. XP-2990			
SYMBOL	PARTS NO	DESCRIPTION	
*** CRT	& TUNER **	*	
CRT	33029036	CRT-M68LMF256X	
*** ICS	***		
101003 101004 101005 101006 101007	370EC030 37058820 370E3275 37058805 37056122	MOS HD74HC573FP-EL MOS UPD78P018FYCW MOS HD74HC138FPTL MOS 24LC08B/P MOS UPD71055C	
101008 101010 101011 101012 101013	371E1568 37058829 37058582 37056111 37056111	IC PST529G-2(T)(3.3V RES) MOS UPDT8P014YCW MOS MAX232CPE (TRNSMIT) MOS UPDT1051C MOS UPDT1051C	
1C1014 1C1015 1C1022 1C1023 1C1024	370E3306 37056122 37005160 37005164 37005228	MOS UPD74HC32GS-T2 MOS UPD71055C IC MC7812CT (JBL1045CT) IC MC7912CT (REG) IC PQ05RF1 (REG)	
C1030 C1031 C1032 C1033 C1301	37009037 370E3425 37101395 37011320 37001086	IC UPC1885CT MOS UPD74HC221AG-T1 IC BA10324 IC LA6500 IC TA8211AH (AMP)	
101302 101401 101402 101403 101404	37001075 37011068 37006023 37005315 37005316	IC UPC1406HA (DC-CONT) IC UPC4558C (OP AMP) IC STK792-110 IC NJM7818FA IC NJM7918FA	
1 C2002 1 C5003 1 C5005 1 C5006 1 C5501	37056616 370K0011 37058804 37011363 37056616	IC BA10358 IC UPC78L12T-E2 MOS M62353P IC M52723SP IC BA10358	
C5502 C5503 C5504 C701 C7202	37101395 37058477 37005085 37011361 370AA009	IC BA10324 MOS UPD6345C (DRIVER) IC UPC78L12J IC MM1313AD (AV-SW) IC MM1112XF (V-SW)	

- Standard resistors, capacitors and coils which are normally available from local electronics suppliers are not stocked in our warehouse.
- The components identitied by a Amark or with the symbol Nos, shaded are critical for safety. Replace only with parts number specitied.

The letters NSP in the table indicate non-service parts.

	SYMBOL	PARTS NO	DESCRIPTION
	1C7205 1C7208 1C7209 1C7210 1C7211	370AA008 370AA008 37011342 37003058 370E3413	IC MM1111XF(V-SW) IC MM1111XF(V-SW) IC TA87772AN (1H DL) IC TA8880CN MOS UPD4538BG-T2
	107213 107214 107401 107402 107404	37903282 37005093 37RAA004 37R58088 37011299	IC UPC7805AHF IC NJM7809FA IC CXA1686M-T6 MOA CXD2024AQ IC LA7950 (50/60 SW)
	108001 108002 108004 108005 10801	37010006 370EH018 37005256 37903282 37RED061	IC M5232OSP MOS M62358FP-75BC IC UPC7812AHF (REG) IC UPC7805AHF MOS 24LC21T-1/SN
	1 C802 1 C803 1 C804 1 C805 1 C8101	370E6009 37011018 37056615 37011018 37RAA010	MOS UPD4066BG (T2) IC UPC311C (COMP) IC BA10393 IC UPC311C (COMP) IC AD8013AR-14-REEL
	RV101	37058792	PHOTO SENSOR SBX8025A-F
	*** TRA	NSISTORS *	**
Γ	01001	35CB0015	TR 2SC1623-T2B(180°) L5

	***	TRA	NSISTORS	**	**	
	Q1001 Q1020 Q1021 Q1023 Q1026		35CB0015 35CB0015 35CB0015 35CB0015 35EB0002		TR 2SC1623-T2B(180°) L5 TR 2SC1623-T2B(180°) L5 TR 2SC1623-T2B(180°) L5 TR 2SC1623-T2B(180°) L5 TR FA1A4M-T2B(180°)	
	Q1030 Q1033 Q1034 Q1035 Q1038		35CB0015 35CB0015 35CB0015 35CB0015 35CB0015		TR 2SC1623-T2B(180°) L5	
	Q1044 Q1050 Q1051 Q1052 Q1053		35E80002 35C80015 35C80015 35E80002 35E80026		TR FA1A4M-T2B(180°) TR 2SC1623-T2B(180°) L5 TR 2SC1623-T2B(180°) L5 TR FA1A4M-T2B(180°) TR FA1L4M-T2B	
Ì	Q1055		35EB0026		TR FA1L4M-T2B	

SYMBOL	PARTS NO	DESCRIPTION
Q1056	35E80026	TR FAIL4M-T2B
Q1057	35C80015	TR 2SC1623-T2B(180°) L5
Q1058	35AB0015	TR 2SA812-T2B(180°) M5
Q1059	35AB0015	TR 2SA812-T2B(180°) M5
Q1301	35CB0015	TR 2SC1623-T2B(180°) L5
Q1302	35CB0015	TR 2SC1623-T2B(180°) L5
Q1401	35EB0002	TR FA1A4M-T2B(180°) L5
Q1402	35CB0015	TR 2SC1623-T2B(180°) L5
Q1403	35AB0015	TR 2SA812-T2B(180°) M5
Q1404	35CB0015	TR 2SC1623-T28(180°) L5
Q1405	350H4418	TR 2SC1473-TA R
Q1407	35063411	TR 2SD401A K
Q5001	35127470	TR 2SJ306
Q5002	350E3218	TR 2SC1740S-T R
Q5003	350K5700	TR 2SA933S-T
Q5004	350E3218	TR 2SC1740S-T R
Q5005	350E3218	TR 2SC1740S-T R
Q5006	350A1500	TR 2SA1767-TA
Q5007	35122800	TR 2SK1271
Q5008	350E3218	TR 2SC1740S-T R
Q5009	350E3218	TR 2SC1740S-T R
Q5010	35005216	TR 2SA1018 P
Q5011	35084400	TR.2SC3063
Q5012	35007204	TR 2SC31381 D
Q5013	35084400	TR.2SC3063
Q5014	35094200	TR 2SC4572
Q5015	35005216	TR 2SA1018 P
Q5017	35124500	TR 2SJ196
Q5020	350H4418	TR.2SC1473-TA R
Q5023	351G0577	TR DTC144ESA-T
Q5024	351G0577	TR DTC144ESA-T
Q5025	35122800	TR 25K1271
Q5027	350E3218	TR 25C1740S-T R
Q5028	350A2020	TR 25A933AS-T
Q5029 Q5030 Q5031 Q5032 Q5033	35095340 35025211 35025211 350H4418 350H4418	TR 2SC2518 TR 2SB546 K TR 2SB546 K TR 2SB546 K TR.2SC1473-TA R TR.2SC1473-TA R
Q5034	350H4418	TR,2SC1473-TA R

SYMBOL	PARTS NO	DESCRIPTION
Q5541 Q5542 Q5543 Q5544	350E3218 350E3218 350E3218 350E3218	TR 2SC1740S-T R TR 2SC1740S-T R TR 2SC1740S-T R TR 2SC1740S-T R
Q705 Q706 Q707 Q7201 Q7202	35AB0015 35AB0015 35CB0011 35EB0026 35EB0026	TR 2SA812-T2B(180°) M5 TR 2SA812-T2B(180°) M5 TR 2SC1623-T1B L5 TR FA1L4M-T2B TR FA1L4M-T2B
Q7204 Q7205 Q7206 Q7207 Q7209	35CB0011 35CB0011 35CB0011 35CB0011 35CB0011	TR 2SC1623-T1B L5
Q7210 Q7211 Q7212 Q7213 Q7214	35EB0026 35EB0026 35EB0026 35EB0026 35EB0011	TR FA1L4M-T2B TR FA1L4M-T2B TR FA1L4M-T2B TR FA1L4M-T2B TR FA1L4M-T2B TR 2SC1623-T1B L5
Q7215 Q7216 Q7217 Q7218 Q7219	35EB0026 35EB0026 35CB0011 35CB0011 35CB0011	TR FA1L4M-T2B TR FA1L4M-T2B TR 2SC1623-T1B L5 TR 2SC1623-T1B L5 TR 2SC1623-T1B L5
Q7220 Q7221 Q7222 Q7401 Q7402	35CB0011 35CB0011 35CB0011 35CB0011 35CB0011	TR 2SC1623-T18 L5
Q7403 Q7404 Q7405 Q7406 Q7407	35CB0011 35EB0026 35AB0015 35AB0015 35AB0015	TR 2SC1623-T1B L5 TR FA1L4M-T2B TR 2SA812-T2B(180°) M5 TR 2SA812-T2B(180°) M5 TR 2SA812-T2B(180°) M5 TR 2SA812-T2B(180°) M5
Q7408 Q7409 Q7502 Q7503 Q8003	35AB0015 35AB0015 35CB0011 35CB0011 35CB0011	TR 2SA812-T2B(180°) M5 TR 2SA812-T2B(180°) M5 TR 2SC1623-T1B L5 TR 2SC1623-T1B L5 TR 2SC1623-T1B L5
Q8007	35080011	TR 2SC1623-T1B L5

SYMBOL	PARTS NO	DESCRIPTION
Q5035	35095340	TR 2SC2518
Q5036	350H4418	TR,2SC1473-TA R
Q5037	350E3218	TR 2SC1740S-T R
Q5038	350E3218	TR 2SC1740S-T R
Q5039	350A2020	TR 2SA933AS-T
Q5501	35095300	TR 2SC5144
Q5502	35128007	TR FS14SM-18A
Q5503	35128007	TR FS14SM-18A
Q5504	35122500	TR 2SK758
Q5505 Q5506 Q5507 Q5508 Q5509	35122500 350E3218 350A2020 35070812 350H4417	TR 2SK758 TR 2SC1740S-T R TR 2SA933AS-T TR 2SD1587 L TR.2SC1473-TA Q
Q5510	350H4417	TR.2SC1473-TA Q
Q5511	35052317	TR.2SC1573 Q
Q5512	35070812	TR 2SD1587 L
Q5513	35031112	TR 2SB1096 L
Q5514	350E3218	TR 2SC1740S-T R
Q5515 Q5516 Q5517 Q5518 Q5519	350E3218 350E3218 350E3218 350E3218 350E3218	TR 2SC1740S-T R
Q5520 Q5520B Q5521 Q5522 Q5523	35127580 35127580 35127580 35127580 35127580	TR 25K1642 TR 25K1642 TR 25K1642 TR 25K1642 TR 25K1642 TR 25K1642
Q5524	35127580	TR 2SK1642
Q5525	35127580	TR 2SK1642
Q5526	35127580	TR 2SK1642
Q5527	35063412	TR 2SD401A L
Q5528	35063412	TR 2SD401A L
Q5529	35063412	TR 2SD401A L
Q5530	35063412	TR 2SD401A L
Q5533	35160570	TR DTA144ESA-T
Q5535	35160570	TR DTA144ESA-T
Q5536	35160577	TR DTC144ESA-T
Q5540	350E3218	TR 2SC1740S-T R

SYMBOL	PARTS NO	DESCRIPTION
Q8008	35AB0015	TR 2SA812-T2B(180°) M5
Q8009	35CB0011	TR 2SC1623-T1B L5
Q801	35CB0011	TR 2SC1623-T1B L5
Q8010	35OH5017	TR,2SC3811-TA Q
Q8013	35AB0015	TR 2SA812-T2B(180°) M5
Q8014	35CB0011	TR 2SC1623-T1B L5
Q8015	35CB0011	TR 2SC1623-T1B L5
Q802	35CB0011	TR 2SC1623-T1B L5
Q803	35CB0011	TR 2SC1623-T1B L5
Q804 Q805 Q806 Q807 Q808	35CB0011 35CB0011 35CB0011 35EB0205 35EB0026	TR 2SC1623-T18 L5 TR 2SC1623-T18 L5 TR 2SC1623-T18 L5 TR 2SC1623-T18 L5 TR DTA144EKA-T146(0°) TR FA1L4M-T2B
Q810 Q8101 Q8102 Q8103 Q8104	35EB0205 35095333 35095323 35084105 35006305	TR DTA144EKA-T146(0°) TR 2SC4271 E TR 2SC4623 E TR.2SC3600 E TR.2SA1406 E
Q8105	35012053	TR 2SA1371 E
Q8108	35095323	TR 2SC4623 E
Q8109	35084105	TR.2SC3600 E
Q811	35EB0026	TR FA1L4M-T2B
Q8110	35006305	TR,2SA1406 E
Q8111	35012053	TR 2SA1371 E
Q8113	35095333	TR 2SC4271 E
Q8114	35095323	TR 2SC4623 E
Q8115	35084105	TR.2SC3600 E
Q8116	35006305	TR,2SA1406 E
Q8117	35012053	TR 2SA1371 E
Q8119	35CB0011	TR 2SC1623-T1B L5
Q8120	35CB0011	TR 2SC1623-T1B L5
Q8124	35CB0011	TR 2SC1623-T1B L5
Q8125	35CB0011	TR 2SC1623-T1B L5
Q8126 Q8127 Q8128 Q8129 Q813	35CB0011 350H4417 350H4417 350H4417 35CB0011	TR 2SC1623-T1B L5 TR.2SC1473-TA Q TR.2SC1473-TA Q TR.2SC1473-TA Q TR.2SC1473-TA Q TR 2SC1623-T1B L5
Q8133	35CB2433	TR 2SC4269 4-TB

SYMBOL	PARTS NO	DESCRIPTION
Q8134 Q8135 Q814 Q815	35CB2433 35CB2433 35CB0011 35CB0011	TR 2SC4269 4-TB TR 2SC4269 4-TB TR 2SC1623-T1B L5 TR 2SC1623-T1B L5
Q816 Q817 Q818 Q819 Q820	35EB0205 35EB0026 35CB0011 35EB0026 35EB0026	TR DTA144EKA-T146(0°) TR FA1L4M-T2B TR 2SC1623-T1B L5 TR FA1L4M-T2B TR FA1L4M-T2B
Q8207 Q821 Q823 Q824 Q825	35095333 35EB0026 35EB0026 35EB0026 35CB0011	TR 2SC4271 E TR FA1L4M-T2B TR FA1L4M-T2B TR FA1L4M-T2B TR 2SC1623-T1B L5
Q826 Q827 Q828 Q829 Q830	35CB0011 35CB2433 35AB0123 35CB2433 35AB0123	TR 2SC1623-T1B L5 TR 2SC4269 4-TB TR 2SA1461-T2B Y23 TR 2SC4269 4-TB TR 2SC4269 4-TB TR 2SA1461-T2B Y23
Q831 Q832	35CB2433 35AB0123	TR 2SC4269 4-TB TR 2SA1461-T2B Y23
*** DIC	DES ***	
D1001 D1002 D1003 D101 D1011	36CB0213 36CB0213 361K7522 36801348 361K7522	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE ERA15-02 VI LED SPR39MVWF DIODE ERA15-02 VI
D1015 D1016 D1021 D1022 D1023	36CB0213 36CB0213 36CB0213 36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146
D1024 D1025 D1031 D1034 D1035	36ĊB0213 36CB0213 36CB0079 36107562 36107562	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN202K-T146(0°) DIODE EGP10G
D1036	36CB0213	DIODE DAN212K-T146

	SYMBOL	PARTS NO	DESCRIPTION	
ļ				
	D1037	36CB0213	DIODE DAN212K-T146	
	D1038	36CB0213	DIODE DAN212K-T146	
	D1039	36CB0213	DIODE DAN212K-T146	
	D1040	36CB0213	DIODE DAN212K-T146	
	D1041 D1042 D1043 D1044 D1301	36CB0079 36CB0213 36CB0079 36CB0213 36CB0213	DIODE DAN202K-T146(0°) DIODE DAN212K-T146 DIODE DAN202K-T146(0°) DIODE DAN212K-T146 DIODE DAN212K-T146	
	D1302	36CB0213	DIODE DAN212K-T146	
	D1303	36CB0079	DIODE DAN202K-T146(0°)	
	D1401	36CB0213	DIODE DAN212K-T146	
	D1402	36CB0213	DIODE DAN212K-T146	
	D1403	36CB0079	DIODE DAN202K-T146(0°)	
	D1407	36CB0213	DIODE DAN212K-T146	
	D1408	36CB0213	DIODE DAN212K-T146	
	D1409	36CB0213	DIODE DAN212K-T146	
	D5001	36107562	DIODE EGP10G	
	D5002	36107638	DIODE EGP30G	
	D5003	360K1049	DIODE ISS270A TA	
	D5004	360K1049	DIODE ISS270A TA	
	D5006	36107562	DIODE EGP10G	
	D5007	360K1049	DIODE ISS270A TA	
	D5008	360K1049	DIODE ISS270A TA	
	D5010	360K1049	DIODE ISS270A TA	
	D5011	36107761	DIODE RU4DS(LF-J2)	
	D5012	36107761	DIODE RU4DS(LF-J2)	
	D5013	36108254	DIODE ESAC39M-04D F77	
	D5015	360K1049	DIODE ISS270A TA	
	D5016	360K1049	DIODE ISS270A TA	
	D5017	360K1049	DIODE ISS270A TA	
	D5018	360K1049	DIODE ISS270A TA	
	D5019	36107562	DIODE EGP10G	
	D5020	360K1049	DIODE ISS270A TA	
	D5022	360K1049	DIODE 1SS270A TA	
	D5023	361K7522	DIODE ERA15-02 VI	
	D5024	360K1049	DIODE 1SS270A TA	
	D5025	360K1049	DIODE 1SS270A TA	
	D5501	36107765	DIODE FMQ-G5GS	
	05502	36107285	DIODE SB340	

SYMBOL	PARTS NO	DESCRIPTION
D5503	361K7541	DIODE EGO1A-VI
D5504	361K7541	DIODE EGO1A-VI
D5507	360K1049	DIODE ISS270A TA
D5508	360K1049	DIODE ISS270A TA
D5509	361K7737	DIODE EGO1Z V1
D5510	361K7737	DIODE EGO1Z V1
D5513	361K7307	DIODE RG1CV1
D5514	361K7737	DIODE EGO1Z V1
D5516	360K1049	DIODE ISS270A TA
D5517	360K1049	DIODE 1SS270A TA
D5518	360K1049	DIODE 1SS270A TA
D5519	360K1049	DIODE 1SS270A TA
D5520	360K1049	DIODE 1SS270A TA
D5521	360K1049	DIODE 1SS270A TA
D5522 D701 D7501 D7502 D7503	360K1049 361K7522 36CB0213 36CB0213 36CB0213	DIODE 1SS270A TA DIODE ERA15-02 VI DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146
07504	36CB0213	DIODE DAN212K-T146
07505	361K7522	DIODE ERA15-02 VI
07506	361K7522	DIODE ERA15-02 VI
07507	36CB0213	DIODE DAN212K-T146
07508	36CB0213	DIODE DAN212K-T146
D8001 D8002 D8003 D8004 D8005	36CB0213 36CB0213 36CB0213 36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146
D8006	36CB0213	DIODE DAN212K-T146
D8007	360K1037	DIODE 1SS83
D8008	361K8232	DIODE RB721Q-T72
D8009	361K8232	DIODE RB721Q-T72
D801	36CB0213	DIODE DAN212K-T146
D8010	361K8232	DIODE RB721Q-T72
D8011	361K7522	DIODE ERA15-02 VI
D802	36CB0213	DIODE DAN212K-T146
D803	36CB0213	DIODE DAN212K-T146
D804	36CB0213	DIODE DAN212K-T146
D805	36CB0213	DIODE DAN212K-T146

SYMBOL	PARTS NO	DESCRIPTION
D806	36CB0213	DIODE DAN212K-T146
D8101	36CB0213	DIODE DAN212K-T146
D8102	361K8232	DIODE RB721Q-T72
D8103	360K1025	DIODE 1SS133
D8104	360K1025	DIODE 1SS133
D8105	360K1037	DIODE 1SS83
D8106	360K1037	DIODE 1SS83
D8107	360K1037	DIODE 1SS83
D8108	360B0213	DIODE DAN212K-T146
D8109	361K8232	DIODE RB7210-T72
D811	36CB0213	DIODE DAN212K-T146
D8110	360K1025	DIODE ISS133
D8111	360K1025	DIODE ISS133
D8111	360K1037	DIODE ISS83
D8113	360K1037	DIODE 18883
D8114	360K1037	DIODE 18883
D8115	36CB0213	DIODE DAN212K-T146
D8116	361K8232	DIODE RB721Q-T72
D8117	360K1025	DIODE 1887210
D8118	360K1025	DIODE ISS133
D8119	360K1037	DIODE ISS83
D812	36CB0213	DIODE DAN212K-T146
D8120	360K1037	DIODE ISS83
D8121	360K1037	DIODE ISS83
D813	36CB0213	DIODE DAN212K-T146
D814	36CB0213	DIODE DAN212K-T146
D815	36CB0213	DIODE DAN212K-T146
D816	36CB0213	DIODE DAN212K-T146
D817	36CB0213	DIODE DAN212K-T146
D818	36CB0213	DIODE DAN212K-T146
D819	36CB0213	DIODE DAN212K-T146
D820	36CB0213	DIODE DAN212K-T146
D821	36CB0213	DIODE DAN212K-T146
D822	36CB0213	DIODE DAN212K-T146
D823	36CB0213	DIODE DAN212K-T146
D824	36CB0213	DIODE DAN212K-T146
D825	36CB0213	DIODE DAN212K-T146
D826	36CB0213	DIODE DAN212K-T146
D827	36CB0213	DIODE DAN212K-T146
D828	36CB0213	DIODE DAN212K-T146

SYMBOL	PARTS NO	DESCRIPTION
D829 D830 D831 D832	36CB0213 36CB0213 36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146
D833 D834 D835 D836 D837	36CB0213 36CB0213 36CB0213 36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146
D838 D839 D840 D841 D842	36CB0213 36CB0213 36CB0213 36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146
D843 D844 ZD1011 ZD1012 ZD1013	36CB0213 36CB0213 36BB0093 36BB0101 36BB0093	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE RD4.7MB1-T2B(180°) DIODE RD5.6MB2-T2B(180°) DIODE RD4.7MB1-T2B(180°)
ZD1015 ZD1017 ZD1018 ZD1019 ZD1020	36880093 36880093 36880061 36880061 36880061	DIODE RD4.7MB1-T2B(180°) DIODE RD4.7MB1-T2B(180°) DIODE RD12MB-T2B DIODE RD12MB-T2B DIODE RD12MB-T2B
ZD1021 ZD1022 ZD1023 ZD1024 ZD1025	36880061 36880061 36880061 36880061 36880061	DIODE RD12MB-T2B DIODE RD12MB-T2B DIODE RD12MB-T2B DIODE RD12MB-T2B DIODE RD12MB-T2B
ZD1036 ZD1040 ZD1041 ZD1242 ZD1301	36BB0093 36BB0085 36BB0086 36BB0097 36BB0122	DIODE RD4.7MB1-T2B(180°) DIODE RD3.3MB2-T2B(180°) DIODE RD3.6MB-T2B(180°) DIODE RD5.1MB2-T2B(180°) DIODE RD10MB2-T2B(180°)
ZD1401 ZD1404 ZD1405 ZD1406 ZD2001	36BB0108 36BB0108 36BB0061 36BB0108 360K3671	DIODE RD6.8MB2-T2B(180°) DIODE RD6.8MB2-T2B(180°) DIODE RD12MB-T2B DIODE RD6.8MB2-T2B(180°) DIODE RD12ES AB2-T4
ZD2002	360K3634	DIODE RD5.1ESB(1)-T4

SYMBOL	PARTS NO	DESCRIPTION
ZD2003 ZD5002 ZD5003 ZD5004	360K3634 360K3643 360K3654 360K3623	DIODE RD5.1ESB(1)-T4 DIODE RD6.2ES AB2-T4 DIODE RD8.2ES AB1-T4 DIODE RD3.9ESB(1)-T4
ZD5007 ZD5008 ZD5009 ZD5010 ZD5501	360K3662 360K3658 360K3658 360K3634 360K3671	DIODE RD10ESB(1)-T4 DIODE RD9.1ESB(1)-T4 DIODE RD9.1ESB(1)-T4 DIODE RD5.1ESB(1)-T4 DIODE RD5.1ESB(1)-T4 DIODE RD12ES AB2-T4
ZD5502 ZD5503 ZD7201 ZD7202 ZD7501	360K3688 360K3635 36BB0098 36BB0088 36BB0098	DIODE RD18ES AB3-T4 DIODE RD5.1ESB(2)-T4 DIODE RD5.1MB3-T2B(180°) DIODE RD3.6MB2-T2B(180°) DIODE RD5.1MB3-T2B(180°)
ZD7502 ZD7503 ZD7504 ZD7505 ZD7506	36BB0071 36BB0071 36BB0071 36BB0071 36BB0071	DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°)
ZD7507 ZD7508 ZD7509 ZD7510 ZD7511	36BB0071 36BB0071 36BB0071 36BB0071 36BB0071	DIODE RD15M82-T2(180°) DIODE RD15M82-T2(180°) DIODE RD15M82-T2(180°) DIODE RD15M82-T2(180°) DIODE RD15M82-T2(180°)
ZD7512 ZD7513 ZD7514 ZD7515 ZD7516	36880071 36880071 36880071 36880071 36880071	DIODE RD15M82-T2(180°) DIODE RD15M82-T2(180°) DIODE RD15M82-T2(180°) DIODE RD15M82-T2(180°) DIODE RD15M82-T2(180°)
ZD7517 ZD8002 ZD8003 ZD8004 ZD8005	36880071 36880108 36880108 36880097 36880105	DIODE RD15MB2-T2(180°) DIODE RD6.8MB2-T2B(180°) DIODE RD6.8MB2-T2B(180°) DIODE RD5.1MB2-T2B(180°) DIODE RD6.2MB2-T2B(180°)
ZD8006 ZD8007 ZD8008 ZD801 ZD802	36880105 36880105 36880105 36880099 36880099	DIODE RD6.2MB2-T2B(180°) DIODE RD6.2MB2-T2B(180°) DIODE RD6.2MB2-T2B(180°) DIODE RD5.6MB-T2B(180°) DIODE RD5.6MB-T2B(180°)
ZD803	36BB0099	DIODE RD5.6MB-T2B(180°)

SYMBOL	PARTS NO	DESCRIPTION
ZD804 ZD805 ZD806 ZD807	36BB0099 36BB0097 36BB0099 36BB0099	DIODE RD5.6MB-T2B(180°) DIODE RD5.1MB2-T2B(180°) DIODE RD5.6MB-T2B(180°) DIODE RD5.6MB-T2B(180°)
*** TRA	NSFORMERS *	***
L5002 L5006 T5002 T5003 T5501 T5502	46207001 46316606 47105429 46316604 47710022 45805001	COIL, CHOKE 2MH COIL, CHOKE F.B.T (MSU1FHN49) TRANS, DYNAMIC FOCUS TRANS, H. OUT TRANS, H. DRIVE
*** VAR	IABLE RESISTO	RS ***
VR1001 VR1201 VR1301 VR1401 VR2001	41505205 41071222 41071213 41071011 41505210	R.VARIABLE B5.0K R.VARIABLE B330K R.VARIABLE B10K R.VARIABLE B4.7K R.VARIABLE B200K
VR2002 VR7201 VR7202 VR7401 VR8001	41505107 410G1210 410G1210 410G1205 410G1222	R,VARIABLE B5K R,VARIABLE B3.3K R,VARIABLE B3.3K R,VARIABLE B470 R,VARIABLE B330K
*** REL	AYS & SWITCHE	S ***
RL5501 RL5502 RL5503 RL5504 RL5505	65602521 65602521 65602521 65602521 65602157	RELAY G6C-1114P RELAY G6C-1114P RELAY G6C-1114P RELAY G6C-1114P RELAY
RL8101 RL8102 RL8103 SW1001 S101	65602571 65602571 65602571 653F1038 65313308	RELAY GGE-134P-US.DC12V RELAY GGE-134P-US.DC12V RELAY GGE-134P-US.DC12V PUSH SWITCH PUSH SWITCH BUTTON
\$102 \$103 \$104 \$105 \$106	65361049 65361049 65361049 65361049 65361049	SW, TACT SW, TACT SW, TACT SW, TACT SW, TACT

SYMBOL	PARTS NO	DESCRIPTION
\$107	65361049	SW.TACT
\$1401	65113508	SWITCH.SLIDE
\$701	65113270	SWITCH.SLIDE
\$702	65113270	SWITCH.SLIDE
\$703	65113270	SWITCH.SLIDE
\$7501	65121105	SWITCH,SLIDE
\$801	65113270	SWITCH,SLIDE
\$802	65113270	SWITCH,SLIDE
\$803	65113270	SWITCH,SLIDE
\$804	65113508	SWITCH,SLIDE
*** CO	ILS & FILTERS	***
CF7201 DL7201 DL7202 DL7203	39603402 611A1008 61511048 61EA1638 61EA1639	FOCUS CONTROL VOLUME CERAMIC TRAP DELAY LINE 0.3US DELAY LINE 0.1US DELAY LINE 0.25US
FB5001	61605005	FERRITE BEADS 5*10*1.8
FB5002	61605005	FERRITE BEADS 5*10*1.8
FB5501	61605008	FERRITE BEADS 3.5*5*1.3
FB5502	61605008	FERRITE BEADS 3.5*5*1.3
FB5503	61605008	FERRITE BEADS 3.5*5*1.3
FL7401	39KB6276	L.P.F 8MHZ TH355LSJ-5728
FL7402	39KB6276	L.P.F 8MHZ TH355LSJ-5728
FL7403	39KB6276	L.P.F 8MHZ TH355LSJ-5728
FL801	616K6814	NOIZE FILTER
FL802	616K6814	NOIZE FILTER
FL803	616K6814	NOIZE FILTER
FL804	616K6814	NOIZE FILTER
FL805	616K6823	NOISE FILTER
FL806	616K6814	NOIZE FILTER
FL807	616K6823	NOIZE FILTER
FL808 FL809 FL8100 FL8101 FL8102	616K6814 616K6814 61605007 61605007	NOIZE FILTER NOIZE FILTER FERRITE BEADS 2.5*1.2*0. FERRITE BEADS 2.5*1.2*0. FERRITE BEADS 2.5*1.2*0.
L1001 L1002	610F7514 610F7514	COIL, FILTER 5.6UH

SYMBOL	PARTS NO	DESCRIPTION
L101 L1010 L1020	610E1743 610F7514 610F7529	COIL, FILTER 1500UH COIL, FILTER 5.6UH COIL, FILTER 100UH
L5001 L5003 L5004 L5005 L5501	610G0233 61099118 61099140 61099140 60917073	FILTER CHOKE PJ8T-470K FILTER COIL COIL,FILTER 100L P110 COIL,FILTER 100L P110 COIL,H.LIN
L5502 L5503 L5504 L5505 L7201	60917073 61099126 61099141 61099118 610E1710	COIL,H.LIN COIL,FILTER 330UH COIL,CHOKE FiLTER COIL COIL,FILTER 2.7UH
L7202 L7203 L7204 L7205 L7206	610E1727 610E1728 610E1720 610E1725 610E1725	COIL, FILTER 68UH COIL, FILTER 82UH COIL, FILTER 18UH COIL, FILTER 47UH COIL, FILTER 47UH
L7207 L7208 L7209 L7210 L7211	610E1725 610E1725 610E1725 610E1723 610E1724	COIL, FILTER 47UH COIL, FILTER 47UH COIL, FILTER 47UH COIL, FILTER 39UH COIL, FILTER 39UH
L7212 L7213 L7401 L7402 L7403	610E1725 610E1725 610E1731 610E1733 610E1733	COIL,FILTER 47UH COIL,FILTER 47UH COIL,FILTER 150UH COIL,FILTER 220UH COIL,FILTER 220UH
L7404 L8001 L8101 L8103 L8104	610E1733 610E1705 610E1705 610E1746 610E1705	COIL,FILTER 220UH COIL,FILTER 1.0UH COIL,FILTER 1.0UH COIL,FILTER 1.2UH COIL,FILTER 1.0UH
L8106 L8107 L8109 L901 L902	610E1746 610E1705 610E1746 610E1750 610E1750	COIL,FILTER 0.22UH COIL,FILTER 1.0UH COIL,FILTER 0.22UH COIL,FILTER 0.47UH COIL,FILTER 0.47UH
L903	610E1750	COIL, FILTER 0.47UH

SYMBOL	PARTS NO	DESCRIPTION
T5503 T5504 T5505 T5506	60917089 60917089 60917089 60917089	COIL,LIN COIL,LIN COIL,LIN
WI DEG X1003 X7203 X7401	61329102 61111015 61111805 61111015	COIL, DEGAUSSING CERAMIC OSC CSB500F2 CERAMIC OSC CSB503F30 CERAMIC OSC CSB500F2
*** PWE	B ASSYS ***	
	933D4DA2 933D4DB2 933D4G02 933D4TA2 933D4TB2 933D4F02 933D4H02	DEF PWB ASSY SW-LED PWB ASSY V-CRT PWB ASSY VIDEO I/O PWB ASSY RGB OUT PWB ASSY CPU/OSC PWB ASSY HV PWB ASSY
*** ELE	CTRICAL PARTS	& MISCELLANEOUS PARTS ***
	31710044 31710045 63010112 68043001 70810759	FAN MOTOR FAN MOTOR SPEAKER 90*55 16H 5W ALN BATTERY.DRY CELL SUM-3 LINE CORD UC3S L3.0
D.Y FR5501 FR5502	31710045 63010112 68043001	FAN MOTOR SPEAKER 90*55 16H 5W ALN BATTERY,DRY CELL SUM-3
FR5501	31710045 63010112 68043001 70810759 79644641 79644841 48007486 39030098	FAN MOTOR SPEAKER 90*55 16H 5W ALN BATTERY.DRY CELL SUM-3 LINE CORD UC3S L3.0 RD-346E POWER UNIT DEFLECTION YOKE R.NETWORK 4*4.7K 5% 1/8W

M721 M7501 M7502 71199046 70056200 70056200 PUSH TERMINAL (4P) D-SUB SOCKET (15PIN) D-SUB SOCKET (15PIN)

SYMBOL	PARTS NO	DESCRIPTION
M7503 M7504	70505027 70505027	HEADPHONE JACK HEADPHONE JACK
M801 M802 M803 SG/CRT SG5001	70056200 70056475 71123501 70032272 66706003	D-SUB SOCKET (15PIN) CONNECTOR, D-SUB BOARD, BNC SG/CRT SOCKET SPARK GAP 2.0KV
SG901 SG902 SG903 SG904 SG905	66706001 66706001 66706001 66706001	SPARK GAP 1.2KV SPARK GAP 1.2KV SPARK GAP 1.2KV SPARK GAP 1.2KV SPARK GAP 1.2KV
SK1004 SK1006 SK1010 X1001 X1002	70102924 70102141 70102924 64098039 640J9218	SOCKET,IC 64P SOCKET,IC 8P SOCKET,IC 64P X'TAL(10.000MHZ) X'TAL OSC 9.8304MHZ
X7201 X7202 X7402 X7403	64003027 64003022 64099203 64099202	X'TAL 4.43MHZ(NDK) X'TAL OSC 3.58MHZ X'TAL OSC 14.318MHZ X'TAL OSC 17.73MHZ(KDS)
*** APF	PEARANCE PARTS	S ***
	70301534 70301536 70301537 24B15751	RUBBER WEDGE FERRITE SHEET FERRITE SHEET(60MM) LED SPACER(H95)
	24C00111 24DT6161 24DT6171 24D08453 24D10121	CLAMPER.WIRE (D15) FRONT CABINET ASSY BACK COVER ASSY CABINET FRONT PANEL
	24D10131 24F25001 24F25011 24F25021 24F27761	BACK COVER ADHESIVE PIECE A ADHESIVE PIECE B ADHESIVE PIECE C INDICATOR (POW)
	24F27801 24F27931 24GT1381 24G04461 24G04471	HANDLE CHASSIS BASE BUTTON(POW) ASSY BUTTON(CTL) BUTTON(POW)

SYMBOL	PARTS NO	DESCRIPTION
	24H25771 24H25781	SIDE FRAME(R) SIDE FRAME(L)
	24H25791 24J06871	BACK FRAME RUBBER FOOT A
	24J07371	CUSHION SHEET(17*140*0.5)
	24J07382 24J07442	CUSHION SHEET(90*22*0.35) SHEET (FRONT)
	24J12321 24K23081	CUSHION(30*27*T17) INLAY(TERMINAL)
,	24K23091	INLAY(SENSOR)
	24L36731	SPEC PLATE(GO12)
*** PR	NTED & PACKIN	IG MATERIALS ***
	24806961 24813191	BAG, POLYETHYLENE (270*370) BAG, POLYETHYLENE (150*370)
	24MU1071 24MU1081	SPACER(T)
	24MU1311	CARTON BOX (G012)
	24M09081 78408132	BAG, PROTECTION USER'S MANUAL
*** RES	ISTORS ***	
R1150 R1170	401G6109 40178135	R,CARBON 2.2H 5% 1/4W R,CARBON 27H 5%
R1171	40178135	R,CARBON 27H 5%
R1172 R1188	40178135 40372137	R.CARBON 27H 5% R.METAL 33H 5% 2W
R1210	401H5661	R.CARBON 330H 5% 1/2W
R1211	401G6109	R.CARBON 2.2H 5% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
R1234	401G6109	R,CARBON 2.2H 5% 1/4W
R1239	40178133	R,CARBON 22H 5% 1/2W
R1295	40373143	R,METAL 56H 5% 3W
R1308	40373107	R.METAL 1.8H 5% 3W
R1309	401G6141	R.CARBON 47H 5% 1/4W
R1426	40372169	R.METAL 680H 5% 2W
R1427	40371101	R.METAL 1.0H 5% 1W
R1428	404C1717	R.METAL 1.0H 5% 1W
R1429	401H5721	R,CARBON 100K 5% 1/2W
R1430	40372157	R,METAL 220H 5% 2W
R2001	404C1742	R,METAL 750K 1% 1/6W
R2002	404C1725	R,METAL 150K 1% 1/6W
R2004	401K5683	R,CARBON 2.7K 5% 1/6W
R2005	401K5697	R,CARBON 10K 5% 1/6W
R2006	404C1696	R,METAL 9.1K 1% 1/6W
R2007	404C1697	R.METAL 10K 1% 1/6W
R2008	404C1721	R,METAL 100K 1% 1/6W
R2009	401K5709	R,CARBON 33K 5% 1/6W
R2010	404C1711	R,METAL 39K 1% 1/6W
R2011	404C1677	R,METAL 1.5K 1% 1/6W
R2012	404C1697	R,METAL 10K 1% 1/6W
R2013	401K5721	R,CARBON 100K 5% 1/6W
R2014	401K5697	R,CARBON 10K 5% 1/6W
R5001	401C6695	R,CARBON 8.2K 5% 1/4W
R5002	401K5693	R,CARBON 6.8K 5% 1/6W
R5003	401G6125	R,CARBON 10H 5% 1/4W
R5004	401C6685	R,CARBON 3.3K 5% 1/4W
R5005	401K5649	R,CARBON 100H 5% 1/6W
R5006	401K5633	R,CARBON 22H 5% 1/6W
R5007	401K5633	R,CARBON 22H 5% 1/6W
R5008	401K5633	R,CARBON 22H 5% 1/6W
R5009	401K5633	R,CARBON 22H 5% 1/6W
R5010	401K5633	R,CARBON 22H 5% 1/6W
R5011	401K5633	R,CARBON 22H 5% 1/6W
R5012	401K5633	R,CARBON 22H 5% 1/6W
R5013	40371103	R,METAL 1.2H 5% 1W
R5014	404KB718	R,METAL 75K 1% 1/4W
R5015	401K5609	R,CARBON 2.2H 5% 1/6W
R5016	404KB718	R.METAL 75K 1% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
R5017	401C6641	R,CARBON 47H 5% 1/4W
R5018	404C1697	R,METAL 10K 1% 1/6W
R5019	401K5673	R,CARBON 1.0K 5% 1/6W
R5020	401K5673	R,CARBON 1.0K 5% 1/6W
R5021	401K5709	R.CARBON 33K 5% 1/6W
R5022	401K5721	R.CARBON 100K 5% 1/6W
R5023	401K5721	R.CARBON 100K 5% 1/6W
R5024	401K5709	R.CARBON 33K 5% 1/6W
R5025	401K5721	R.CARBON 100K 5% 1/6W
R5026	401K5721	R,CARBON 100K 5% 1/6W
R5027	401K5709	R,CARBON 33K 5% 1/6W
R5028	401K5715	R,CARBON 56K 5% 1/6W
R5029	401K5633	R,CARBON 22H 5% 1/6W
R5030	401K5697	R,CARBON 10K 5% 1/6W
R5031	401C6633	R,CARBON 22H 5% 1/4W
R5034	401K5697	R,CARBON 10K 5% 1/6W
R5035	401K5701	R,CARBON 15K 5% 1/6W
R5036	401K5697	R,CARBON 10K 5% 1/6W
R5038	401K5699	R,CARBON 12K 5% 1/6W
R5039	401K5673	R,CARBON 1.0K 5% 1/6W
R5040	401K5673	R,CARBON 1.0K 5% 1/6W
R5041	401K5709	R,CARBON 33K 5% 1/6W
R5042	40371337	R,METAL 0.47H 5% 1W
R5043	401K5685	R,CARBON 3.3K 5% 1/6W
R5044	401H5725	R,CARBON 150K 5% 1/2W
R5045	401C6633	R,CARBON 22H 5% 1/4W
R5046	40372333	R,METAL 0.33H 5% 2W
R5047	40372333	R,METAL 0.33H 5% 2W
R5051	401K5701	R,CARBON 15K 5% 1/6W
R5055	40166101	R,CARBON 1.0H 5% 1/4W
R5057	401K5697	R,CARBON-10K 5% 1/6W
R5058	401K5697	R,CARBON 10K 5% 1/6W
R5059	401K5697	R,CARBON 10K 5% 1/6W
R5060	401K5673	R,CARBON 1.0K 5% 1/6W
R5061 R5062 R5063 R5064 R5065	404C1693 40373151 40373151 404K2721 401G6133	R.METAL 6.8K 1% 1/6W R.METAL 120H 5% 3W R.METAL 120H 5% 3W R.METAL 120K 5% 1/4W R.METAL 100K 5% 1/4W R.CARBON 22H 5% 1/4W
R5068	401K5697	R.CARBON 10K 5% 1/6W

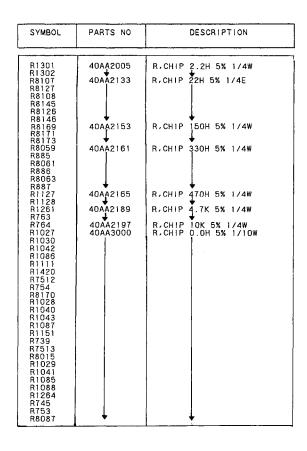
SYMBOL	PARTS NO	DESCRIPTION
R5069	401H5721	R.CARBON 100K 5% 1/2W
R5070	40372185	R.METAL 3.3K 5% 2W
R5071	40371141	R.METAL 47H 5% 1W
R5072	40371141	R.METAL 47H 5% 1W
R5073	404CA657	R,METAL 220H 1% 1/6W
R5074	401C6693	R,CARBON 6.8K 5% 1/4W
R5075	40372213	R,METAL 47K 5% 2W
R5076	401K5729	R,CARBON 220K 5% 1/6W
R5077	404C1671	R,METAL 820H 1% 1/6W
R5078	404K2713	R.METAL 47K 1% 1/4W
R5079	404K2713	R.METAL 47K 1% 1/4W
R5080	401G6173	R.CARBON 1. OK 5% 1/4W
R5081	404C1721	R.METAL 100K 1% 1/6W
R5082	404C1697	R.METAL 10K 1% 1/6W
R5083	400B3677	R,SOLID 1.5K 5% 1/2W
R5084	401K5697	R,CARBON 10K 5% 1/6W
R5086	401G6149	R,CARBON 100H 5% 1/4W
R5089	401K5697	R,CARBON 10K 5% 1/6W
R5090	40371211	R,METAL 39K 5% 1W
R5092	401K5673	R.CARBON 1.0K 5% 1/6W
R5093	40371161	R.METAL 330H 5% 1W
R5096	401K5641	R.CARBON 47H 5% 1/6W
R5098	401C6633	R.CARBON 22H 5% 1/4W
R5099	401C6633	R.CARBON 22H 5% 1/4W
R5100	404C1721	R,METAL 100K 1% 1/6W
R5101	40224267	R,WIRE 560H 5% 7W
R5102	40224267	R,WIRE 560H 5% 7W
R5103	40224239	R,WIRE 39H 5% 7W
R5105	40224245	R,WIRE 68H 5% 7W
R5106	40224239	R.WIRE 39H 5% 7W
R5107	40224239	R.WIRE 39H 5% 7W
R5108	40224239	R.WIRE 39H 5% 7W
R5109	401K5689	R.CARBON 4.7K 5% 1/6W
R5110	40371189	R.METAL 4.7K 5% 1W
R5111	40373203	R,METAL 18K 5% 3W
R5112	40373197	R,METAL 10K 5% 3W
R5113	404C1729	R,METAL 22OK 1% 1/6W
R5114	404C1703	R,METAL 18K 1% 1/6W
R5115	404C1679	R,METAL 1.8K 1% 1/6W
R5116	40401719	R,METAL 82K 1% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
STWIDOL	PARTS NO	DESCRIFTION
R5117	401K5697	R,CARBON 10K 5% 1/6W
R5118	401K5697	R,CARBON 10K 5% 1/6W
R5119	401K5697	R,CARBON 10K 5% 1/6W
R5120	401K5697	R,CARBON 10K 5% 1/6W
R5121	404C1697	R,METAL 10K 1% 1/6W
R5122	404C1687	R,METAL 3.9K 1% 1/6W
R5123	404C1669	R,METAL 680H 1% 1/6W
R5124	401K5665	R,CARBON 470H 5% 1/6W
R5125	40372213	R,METAL 47K 5% 2W
R5126	404C1655	R,METAL 180H 1% 1/6W
R5128	40372185	R,METAL 3.3K 5% 2W
R5129	401K5643	R,CARBON 56H 5% 1/6W
R5130	40175149	R,CARBON 100H 5% 1/4W
R5131	401K5665	R,CARBON 470H 5% 1/6W
R5132	401K5641	R,CARBON 47H 5% 1/6W
R5502	404C1697	R,METAL 10K 1% 1/6W
R5503	404C1691	R,METAL 5.6K 1% 1/6W
R5506	404C1697	R,METAL 10K 1% 1/6W
R5507	401K5713	R,CARBON 47K 5% 1/6W
R5508	401K5691	R,CARBON 5.6K 5% 1/6W
R5509	401C6733	R,CARBON 330K 5% 1/4W
R5510	401K5689	R,CARBON 4.7K 5% 1/6W
R5511	401K5699	R,CARBON 12K 5% 1/6W
R5512	401K5673	R,CARBON 1.0K 5% 1/6W
R5513	401H5677	R,CARBON 1.5K 5% 1/2W
R5514	40373199	R,METAL 12K 5% 3W
R5515	401K5673	R,CARBON 1.0K 5% 1/6W
R5516	401K5681	R,CARBON 2.2K 5% 1/6W
R5517	401K5693	R,CARBON 6.8K 5% 1/6W
R5518	401K5693	R.CARBON 6.8K 5% 1/6W
R5519	40371197	R.METAL 10K 5% 1W
R5520	401K5735	R.CARBON 390K 5% 1/6W
R5521	40373155	R.METAL 180H 5% 3W
R5522	40373155	R.METAL 180H 5% 3W
R5523	40373155	R,METAL 180H 5% 3W
R5524	40373181	R,METAL 2.2K 5% 3W
R5525	40373181	R,METAL 2.2K 5% 3W
R5526	40166109	R,CARBON 2.2H 5% 1/4W
R5527	40373111	R,METAL 2.7H 5% 3W
R5528	40373111	R.METAL 2.7H 5% 3W

SYMBOL	PARTS NO	DESCRIPTION
R5529	40373111	R,METAL 2.7H 5% 3W
R5530	401K5633	R,CARBON 22H 5% 1/6W
R5531	401G6109	R,CARBON 2.2H 5% 1/4W
R5532	401G6109	R,CARBON 2.2H 5% 1/4W
R5533	401H5681	R,CARBON 2.2K 5% 1/2W
R5534	40372137	R,METAL 33H 5% 2W
R5536	401K5713	R,CARBON 47K 5% 1/6W
R5537	401K5713	R,CARBON 47K 5% 1/6W
R5538	401K5697	R,CARBON 10K 5% 1/6W
R5539	401K5705	R,CARBON 22K 5% 1/6W
R5540	401K5697	R,CARBON 10K 5% 1/6W
R5541	401K5697	R,CARBON 10K 5% 1/6W
R5542	401K5705	R,CARBON 22K 5% 1/6W
R5543	401K5701	R,CARBON 15K 5% 1/6W
R5544	401K5701	R,CARBON 15K 5% 1/6W
R5545	401K5701	R,CARBON 15K 5% 1/6W
R5546	401K5701	R,CARBON 15K 5% 1/6W
R5547	401K5701	R,CARBON 15K 5% 1/6W
R5548	401K5697	R,CARBON 10K 5% 1/6W
R5549 R5550 R5553 R5554 R5556	401K5701 401K5701 401K5655 401K5655 40372173	R,CARBON 15K 5% 1/6W R,CARBON 15K 5% 1/6W R,CARBON 18OH 5% 1/6W R,CARBON 18OH 5% 1/6W R,CARBON 18OH 5% 1/6W R,METAL 1.OK 5% 2W
R5557	40372159	R,METAL 270H 5% 2W
R5558	40372159	R,METAL 270H 5% 2W
R5559	40371141	R,METAL 47H 5% 1W
R5560	40371141	R,METAL 47H 5% 1W
R5561	40371141	R,METAL 47H 5% 1W
R5562	40371141	R,METAL 47H 5% 1W
R5569	404C1734	R,METAL 360K 1% 1/6W
R5570	404C1721	R,METAL 100K 1% 1/6W
R5571	404C1726	R,METAL 160K 1% 1/6W
R5574	401K5693	R,CARBON 6.8K 5% 1/6W
R5575	404C1732	R,METAL 300K 1% 1/6W
R5577	404C1713	R,METAL 47K 1% 1/6W
R5578	404C1743	R,METAL 42CK 1% 1/6W
R5580	401K5693	R,CARBON 6.8K 5% 1/6W
R5581B	401KE649	R,CARBON 100H 5% 1/6W
R5582	401K5649	R, CARBON 100H 5% 1/6W.

SYMBOL	PARTS NO	DESCRIPTION
R8005	40372135	R,METAL 27H 5% 2W
R8035	40371163	R,METAL 390H 5% 1W
R805	40178159	R,CARBON 270H 5% 1/2W
R806	40405109	R,METAL 2.2H 5% 1/4W
R8103	40371139	R,METAL 39H 5% 1W
R8111	401H5661	R,CARBON 33OH 5% 1/2W
R8112	40224189	R,WIRE 4.7K 5% 5W
R8113	40224191	R,WIRE 5.6K 5% 5W
R8114	40224192	R,WIRE 6.2K 5% 5W
R8115 R8116 R8117 R8122 R8130	40224285 40224285 40224285 40371139 401H5661	R,WIRE 3.3K 5% 7W R,WIRE 3.3K 5% 7W R,WIRE 3.3K 5% 7W R,WIRE 3.3K 5% 1W R,METAL 39H 5% 1W R,CARBON 330H 5% 1/2W
R8131	40224189	R,WIRE 4.7K 5% 5W
R8132	40224191	R,WIRE 5.6K 5% 5W
R8133	40224192	R,WIRE 6.2K 5% 5W
R8134	40224285	R,WIRE 3.3K 5% 7W
R8135	40224285	R,WIRE 3.3K 5% 7W
R8136	40224285	R,WIRE 3.3K 5% 7W
R8141	40371139	R,METAL 39H 5% 1W
R8149	401H5661	R,CARBON 33OH 5% 1/2W
R8150	40224189	R,WIRE 4.7K 5% 5W
R8151	40224191	R,WIRE 5.6K 5% 5W
R8152 R8153 R8154 R8155 R863	40224192 40224285 40224285 40224285 40224285 40405125	R,WIRE 6.2K 5% 5W R,WIRE 3.3K 5% 7W R,WIRE 3.3K 5% 7W R,WIRE 3.3K 5% 7W R,METAL 10H 5% 1/4W
R865	40405109	R,METAL 2.2H 5% 1/4W
R901	401H5649	R,CARBON 100H 5% 1/2W
R902	401H5673	R,CARBON 1.0K 5% 1/2W
R903	401H5649	R,CARBON 1.0H 5% 1/2W
R904	401H5673	R,CARBON 1.0K 5% 1/2W
R905	401H5649	R.CARBON 100H 5% 1/2W
R906	401H5673	R.CARBON 1.0K 5% 1/2W
R907	401H5673	R.CARBON 1.0K 5% 1/2W
R908	401H5721	R.CARBON 100K 5% 1/2W

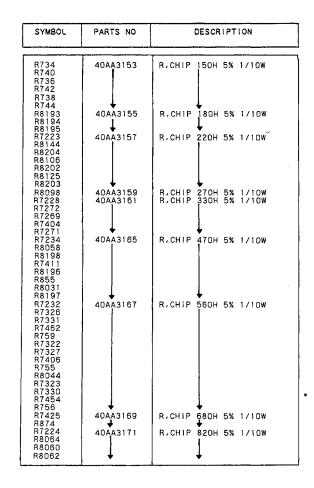
SYMBOL	PARTS NO	DESCRIPTION
R5583	401K5649	R.CARBON 100H 5% 1/6W
R5584	401K5649	R.CARBON 100H 5% 1/6W
R5585	401K5649	R.CARBON 100H 5% 1/6W
R5586	401K5649	R.CARBON 100H 5% 1/6W
R5587	401K5649	R,CARBON 100H 5% 1/6W
R5588	401K5683	R,CARBON 2.7K 5% 1/6W
R5589	401K5649	R,CARBON 100H 5% 1/6W
R5590	401G6137	R,CARBON 33H 5% 1/4W
R5591	401K5713	R,CARBON 47K 5% 1/6W
R5592 R5593 R5594 R5596 R5597	401K5713 401K5713 401K5713 401K5713 401G6109 40371155	R,CARBON 47K 5% 1/6W R,CARBON 47K 5% 1/6W R,CARBON 47K 5% 1/6W R,CARBON 2.2H 5% 1/4W R,METAL 180H 5% 1W
R5598 R5599 R5600 R5604 R5605	401K5633 401K5633 401K5633 401K5633 40372137 40178173	R,CARBON 22H 5% 1/6W R,CARBON 22H 5% 1/6W R,CARBON 22H 5% 1/6W R,METAL 33H 5% 2W R,CARBON 1.0K 5% 1/2W
R5607	401K5625	R,CARBON 10H 5% 1/8W
R5608	401K5625	R,CARBON 10H 5% 1/6W
R5609	401C6679	R,CARBON 1.8K 5% 1/4W
R5610	404C1707	R,METAL 27K 1% 1/6W
R5618	40373333	R,METAL 0.33H 5% 3W
R5640	401K5743	R,CARBON 820K 5% 1/6W
R5641	401K5743	R,CARBON 820K 5% 1/6W
R5642	401K5743	R,CARBON 820K 5% 1/6W
R5643	401K5743	R,CARBON 820K 5% 1/6W
R5644	401K5743	R,CARBON 820K 5% 1/6W
R5645	401K5743	R,CARBON 820K 5% 1/6W
R5646	401K5743	R,CARBON 820K 5% 1/6W
R7308B	401K5690	R,CARBON 5.1K 5% 1/6W
R7310	40371155	R,METAL 180H 5% 1W
R7340	40372143	R,METAL 56H 5% 2W
R7341	40372143	R.METAL 56H 5% 2W
R7342	40372131	R.METAL 18H 5% 2W
R7343	40372131	R.METAL 18H 5% 2W
R7506	40405109	R.METAL 2.2H 5% 1/4W
R769	40371117	R.METAL 4.7H 5% 1W
R8004	40372135	R.METAL 27H 5% 2W



SYMBOL	PARTS NO	DESCRIPTION
R7424 R844 R838 R841	40AA3125	R,CHIP 10H 5% 1/10W
R7209 R72609 R72609 R7333 R757 R8104 R8205 R7256 R7325 R7468 R8123 R8206 R7257 R7469 R7469 R760	40AA3133	R.CHIP 22H 5% 1/10W
R8207 R831 R859 R883 R896 R832 R860 R884 R897 R833 R861 R861	40AA3133	R.CHIP 22H 5% 1/10W
R898 R7242 R7437 R893 R894	40AA3143 40AA3146	R,CHIP 56H 5% 1/10W R,CHIP 75H 5% 1/10W

SYMBOL	PARTS NO	DESCRIPTION
R7505		
R7515 R7518		
R7520 R7523		
R8001 R8047		
R809 R8124]
R847		
R854 R858		
R901 R1084		
R1095 R1100		
R1107 R1113		
R1116		
R1120 R1137 R1141	-	
R7207		
R7255 R7304		
R7304 R7339 R7418		
R7441 R7452		
R7464		
R750 R751	<u> </u>	
R7516 R7519		
R7521 R765		
R8013 R8049		
R8105		ļ.
R8143 R850 R856		
R856 R899		į.

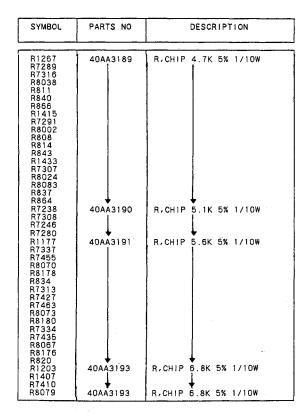
SYMBOL	PARTS NO	DESCRIPTION
R10993 R10996 R11098 R11098 R11108 R11118 R111218 R111218 R11258 R774366 R774362 R774366 R774517 R775517 R775517 R775564 R775517 R775564 R8153 R8153 R8153 R8153 R8153 R811115 R811115 R811115 R811115 R811115 R811115 R811115 R811115 R811115 R811116 R811116 R811116 R811116 R811116 R811116 R81116 R81116 R81116 R81116 R81116 R81116 R81116 R81116 R81116 R81116 R81116 R81116 R81116 R8116	40AA3149	R,CHIP 100H 5% 1/10W



SYMBOL	PARTS NO	DESCRIPTION
R8048 R8048 R8057 R10914 R11092 R111092 R111229 R11135 R11229 R11135 R12245 R72270 R72270 R72270 R72314 R743 R741 R743 R741 R743 R741 R743 R741 R743 R743 R741 R743 R743 R743 R743 R743 R743 R743 R743	40AA3173	R, CHIP 1.0K 5% 1/10W

SYMBOL	PARTS NO	DESCRIPTION
R1263 R7309 R1265 R8086 R1403	40AA3181	R,CHIP 2.2K 5% 1/10W
R8159 R1303 R1305	40AA3183	R,CHIP 2.7K 5% 1/10W
R7276 R71226 R714265 R714265 R71520 R8851 R8851 R8851 R8451 R8451 R8451 R8451 R8451 R8451 R8451 R8451 R8451 R8451 R8451 R8451 R8451 R8451 R8451 R8451	40AA3185	R,CHIP 3.3K 5% 1/10W
R879 R1230 R8069 R8096 R1304 R8072 R8066 R8084	40AA3187	R,CHIP 3.9K 5% 1/10W

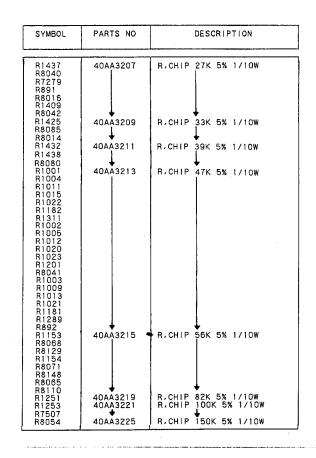
SYMBOL	PARTS NO	DESCRIPTION
R1090 R1103 R11106 R11125 R111314 R111314 R111314 R11238 R712056 R712675 R712685 R712685 R712685 R712685 R712685 R712685 R712685 R712685 R712685 R712685 R712685 R712685 R712685 R712685 R712686 R712685 R7126	40AA3173 40AA3177 40AA3179 40AA3180	R,CHIP 1.0K 5% 1/10W R,CHIP 1.2K 5% 1/10W R,CHIP 1.5K 5% 1/10W R,CHIP 1.8K 5% 1/10W



SYMBOL	PARTS NO	DESCRIPTION
R1228 R7403 R7403 R7403 R7403 R7403 R72934 R1008 R10025 R1209 R12267 R12267 R12267 R12267 R12267 R1402 R1403 R1402	40AA3195 40AA3197	R,CHIP 8.2K 5% 1/10W

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SYMBOL	PARTS NO	DESCRIPTION	-
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R14319 R144253 R144253 R742633 R7456337759 R744198 R7745032 R745633 R7445032 R74563 R744198 R74563 R744198 R74563 R744198 R744198 R74563 R744198 R74563 R744198 R74611 R74			

SYMBOL	PARTS NO	DESCRIPTION
R1189 R7430 R8012 R8093 R8179 R1416 R8010 R8091 R8175 R1419 R8011 R8091 R8011 R8092 R8177 R1180	40AA3199	R,CHIP 12K 5% 1/10W
R1408 R1227 R8003 R14006 R8056 R81140 R1147 R11271 R1277 R1281 R1281 R1281 R1281 R1282 R1282 R1282 R1282 R1282 R1282 R1283 R1284 R1284	40AA3201 40AA3203 40AA3205	R,CHIP 15K 5% 1/10W R,CHIP 18K 5% 1/10W R,CHIP 22K 5% 1/10W



SYMBOL	PARTS NO	DESCRIPTION
R704 R719 R730 R7303 R752 R816 R816 R826 R825 R706 R731 R7433 R767 R817 R8228 R707 R817 R828 R707 R817 R828 R708 R732 R758 R758 R758 R758 R758 R758 R758 R758	40AA3229	R.CHIP 220K 5% 1/10W
R830 R8109 R8128 R8147 R7283	40AA3233 40AA3243	R,CHIP 330K 5% 1/10W R,CHIP 820K 5% 1/10W
R7432 R1231 R7274 R7278 R7275 R7277	40AA3245 40AA3257	R,CHIP 1.0M 5% 1/10W R,CHIP 3.3M 5% 1/10W
R821 R821 R827 R802 R802 R823 R829 R803 R825	40AB2146	R.CHIP 75H 1% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
R1408	40AB3199	R,CHIP 12K 1% 1/10W
R1235 R1232 R7312	40AB3201 40AB3203	R,CHIP 15K 1% 1/10W R,CHIP 18K 1% 1/10W
R1241 R1242	40AB3205	R,CHIP 22K 1% 1/10W
R1250 R1252	40AB3209 40AB3211	R.CHIP 33K 1% 1/10W R.CHIP 39K 1% 1/10W
R7311 R1213	40AB3217 40AB3220	R,CHIP 68K 1% 1/10W R,CHIP 91K 1% 1/10W
R1155	40AB3221	R,CHIP 270K 1% 1/10W

SYMBOL	PARTS NO	DESCRIPTION
R701 R716 R702 R717 R703	40AB3146	R,CHIP 75H 1% 1/10W
R718 R7450 R7458	. 40AB3157	R,CHIP 220H 1% 1/10W
R7240 R7239	40AB3159	R,CHIP 270H 1% 1/10W
R7244 R7243 R7434	40AB3165 40AB3167	R,CHIP 470H 1% 1/10W R,CHIP 560H 1% 1/10W
R1212 R8046 R8050	40AB3170 40AB3172	R.CHIP 750H 1% 1/10W R.CHIP 910H 1% 1/10W
R8053 R1246 R7248	40AB3173	R,CHIP 1.0K 1% 1/10W
R7251 R7225 R7439 R7249	40AB3175	R,CHIP 1.2K 1% 1/10W
R7446 R7252 R7226	40AB3177	R,CHIP 1.5K 1% 1/10W
R7467 R7448 R7449	\	→
R8023 R7445	40AB3181 40AB3185	R,CHIP 2.2K 1% 1/10W R,CHIP 3.3K 1% 1/10W
R7447 R1222 R1233 R7281	40AB3187	R,CHIP 3.9K 1% 1/10W
R8199 R8200 R8201	40AB3188	R,CHIP 4.3K 1% 1/10W
R7438 R1152 R1292 R1237 R1217	40AB3189 40AB3191 40AB3193 40AB3195 40AB3197	R,CHIP 4.7K 1% 1/10W R,CHIP 5.6K 1% 1/10W R,CHIP 6.8K 1% 1/10W R,CHIP 8.2K 1% 1/10W R,CHIP 10K 1% 1/10W
R1218 R1266	↓ ↓	} ↓

SYMBOL	PARTS NO	DESCRIPTION
*** CAF	ACITORS ***	<
C1003	42AA2726	C,CERAMIC 50V 0.01UF
C1004	42CA1416	C,CERAMIC 50V 10PF
C1005	42CA1416	C,CERAMIC 50V 10PF
C1007	42AA2726	C,CERAMIC 50V 0.01UF
C1008	430B9032	C,ELEC 16V 470UF
C1009	42AA2726	C.CERAMIC 50V 0.01UF
C101	430C0047	C.ELEC 16V 47UF
C1010	42AA2726	C.CERAMIC 50V 0.01UF
C1011	42AA2726	C.CERAMIC 50V 0.01UF
C1012	42AA2726	C.CERAMIC 50V 0.01UF
C1013	42AA2726	C,CERAMIC 50V 0.01UF
C1014	42CA1432	C,CERAMIC 50V 47PF
C1020	42CA1416	C,CERAMIC 50V 10PF
C1021	42CA1416	C,CERAMIC 50V 10PF
C1023	42AA2726	C,CERAMIC 50V 0.01UF
C1024	42AA2726	C,CERAMIC 50V 0.01UF
C1025	42AA2726	C,CERAMIC 50V 0.01UF
C1026	42AA2726	C,CERAMIC 50V 0.01UF
C1027	430B9025	C,ELEC 16V 10UF
C1028	430B9025	C,ELEC 16V 10UF
C1029	430B9025	C,ELEC 16V 10UF
C1030	430B9025	C,ELEC 16V 10UF
C1031	42AA2726	C,CERAMIC 50V 0.01UF
C1032	42AA2726	C,CERAMIC 50V 0.01UF
C1050	42AA2726	C,CERAMIC 50V 0.01UF
C1051	42AA2726	C,CERAMIC 50V 0.01UF
C1053	42CA1432	C,CERAMIC 50V 47PF
C1054	42CA1432	C,CERAMIC 50V 47PF
C1059	42CA1432	C,CERAMIC 50V 47PF
C1060	42CA1432	C,CERAMIC 50V 47PF
C1061	42CA1432	C,CERAMIC 50V 47PF
C1062	42CA1432	C,CERAMIC 50V 47PF
C1063	42CA1432	C,CERAMIC 50V 47PF
C1064	42CA1432	C,CERAMIC 50V 47PF
C1065	42CA1432	C,CERAMIC 50V 47PF
C1066	42CA1432	C,CERAMIC 50V 47PF
C1067	42CA1432	C,CERAMIC 50V 47PF
C1068	42CA1432	C,CERAMIC 50V 47PF

SYMBOL	PARTS NO	DESCRIPTION
C1071	42CA1432	C,CERAMIC 50V 47PF
C1072	42CA1432	C,CERAMIC 50V 47PF
C1073	42CA1432	C,CERAMIC 50V 47PF
C1074	42CA1432	C,CERAMIC 50V 47PF
C1075	42AA2726	C,CERAMIC 50V 0.01UF
C1076	42AA2726	C,CERAMIC 50V 0.01UF
C1077	42AA2726	C,CERAMIC 50V 0.01UF
C1078	42AA2726	C,CERAMIC 50V 0.01UF
C1079	42CA1432	C,CERAMIC 50V 47PF
C1080	42CA1432	C,CERAMIC 50V 47PF
C1081	42AA2726	C,CERAMIC 50V 0.01UF
C1082	42AA2726	C,CERAMIC 50V 0.01UF
C1083	42AA2726	C,CERAMIC 50V 0.01UF
C1086	42CA1432	C,CERAMIC 50V 47PF
C1087	42CA1432	C,CERAMIC 50V 47PF
C1088	42CA1432	C,CERAMIC 50V 47PF
C1089	42CA1432	C,CERAMIC 50V 47PF
C1090	42CA1432	C,CERAMIC 50V 47PF
C1091	42CA1432	C,CERAMIC 50V 47PF
C1092	42CA1432	C,CERAMIC 50V 47PF
C1093	42CA1432	C,CERAMIC 50V 47PF
C1094	42CA1432	C,CERAMIC 50V 47PF
C1095	42CA1432	C,CERAMIC 50V 47PF
C1097	430C0244	C,ELEC 16V 47UF
C1099	42AA2726	C,CERAMIC 50V 0.01UF
C1100	42CA1432	C,CERAMIC 50V 47PF
C1101	42CA1432	C,CERAMIC 50V 47PF
C1102	42CA1432	C,CERAMIC 50V 47PF
C1103	42CA1432	C,CERAMIC 50V 47PF
C1104	42CA1432	C,CERAMIC 50V 47PF
C1105	42CA1432	C,CERAMIC 50V 47PF
C1106	42CA1432	C,CERAMIC 50V 47PF
C1107	42CA1432	C,CERAMIC 50V 47PF
C1108	42CA1432	C,CERAMIC 50V 47PF
C1109	42CA1432	C,CERAMIC 50V 47PF
C1110	42CA1432	C,CERAMIC 50V 47PF
C1111	42CA1432	C,CERAMIC 50V 47PF
C1112	42CA1432	C,CERAMIC 50V 47PF
C1113	42CA1432	C,CERAMIC 50V 47PF

		
SYMBOL	PARTS NO	DESCRIPTION
C1114	42CA1432	C CERANIC BOY ATRE
C1115 C1139	42CA1432 430B9029	C.CERAMIC 50V 47PF C.CERAMIC 50V 47PF C.ELEC 16V 100UF
C1140	43089045	C.ELEC 25V 470UF
C1141 C1142 C1145	430B9045 430B9045 430B9057	C.ELEC 25V 470UF C.ELEC 25V 470UF C.ELEC 35V 470UF
C1146	42AA2726	C,CERAMIC 50V 0.01UF
C1147 C1148	430B9045 430B9057	C,ELEC 25V 470UF C,ELEC 35V 470UF
C1149 C1150	42AA2726 42AA2726	CCERAMIC 50V D.DIUF CCERAMIC 50V D.DIUF
C1151	430B9054	C,ELEC 35V 100UF
C1152 C1153 C1154	430B9045 42AA2726 430B9042	C.ELEC 25V 470UF C.CERAMIC 50V 0.01UF C.ELEC 25V 100UF
C1155 C1157	42AA2726 430B9032	C.CERAMIC 50V 0.01UF
C1158	42AA2726	C.CERAMIC 50V 0.01UF
C1159 C1160	430B9042 42AA2726	C.ELEC 25V 100UF C.CERAMIC 50V 0.01UF
C1161 C1162	430B9029 42AA2726	C.ELEC 16V 100UF C.CERAMIC 50V 0.01UF
C1163 C1164	42CA1432 42CA1432	C.CERAMIC 50V 47PF C.CERAMIC 50V 47PF
C1165 C1166	42CA1432 42AA2726	C.CERAMIC 50V 47PF C.CERAMIC 50V 0.01UF
C1167	430C0244	C.ELEC 16V 47UF
C1180 C1181	430B9062 430B9062	C.ELEC 50V 2.2UF
C1182 C1183 C1184	430B9062 42CA1464 42CA1464	C.ELEC 50V 2.2UF C.CERAMIC 50V 1000PF C.CERAMIC 50V 1000PF
C1185	430B9038	C.ELEC 25V 10UF
C1186 C1187	42AA2726 427F4611	C.CERAMIC 50V 0.01UF C.FILM 50V 6800PF
C1188 C1189	430B9038 42AA2721	C.ELEC 25V 10UF C.CERAMIC 50V 0.1UF
C1190	427F4611	C.FILM 50V 6800PF

SYMBOL	PARTS NO	DESCRIPTION
C1191	427F4619	C.FILM 50V 0.033UF
C1192	428B3019	C.METAL FILM 50V 0.33UF
C1193	430B9039	C.ELEC 25V 22UF
C1194	42AA2726	C.CERAMIC 50V 0.01UF
C1195	430B9029	C.ELEC 16V 100UF
C1196	42CA1452	C.CHIP 50V 330PF
C1197	427F4601	C.FILM 50V 1000PF
C1199	428B3018	C.METAL FILM 50V 0.27UF
C1200	430B9041	C.ELEC 25V 47UF
C1201	427F4625	C.FILM 50V 0.1UF
C1203	42AA2721	C.CERAMIC 50V 0.1UF
C1204	42AA2721	C.CERAMIC 50V 0.1UF
C1205	42CA1464	C.CERAMIC 50V 1000PF
C1206	42AA2726	C.CERAMIC 50V 0.01UF
C1207	43089042	C,ELEC 25V 100UF
C1208	42CA1456	C,CERAMIC 50V 470PF
C1209	43089037	C,ELEC 25V 4.7UF
C1210	428B3021	C,METAL FILM 50V 0.47UF
C1211	428B3013	C,METAL FILM 50V 0.1UF
C1212 C1213 C1214 C1215 C1218	433A4059 428B3015 42AA2721 433A7045 430B9053	C.ELEC 50V 10UF C.METAL FILM 50V 0.15UF C.CERAMIC 50V 0.1UF C.ELEC 50V 4.7UF C.ELEC 35V 4.7UF
C1225	430B9032	C,ELEC 16V 470UF
C1230	42CA1438	C,CERAMIC 50V 82PF
C1301	430B9032	C,ELEC 16V 470UF
C1302	430B9032	C,ELEC 16V 470UF
C1303	427F4675	C,FILM 50V 0.1UF
C1304	43089054	C.FLEC 35V 100UF
C1305	43089053	C.FLEC 35V 47UF
C1306	427F4675	C.FILM 50V 0.1UF
C1307	433A7045	C.FLEC 50V 4.7UF
C1308	430B9053	C.FLEC 35V 47UF
C1309	433A7045	C,ELEC 50V 4.7UF
C1310	427F4609	C,FILM 50V 4700PF
C1311	427F4609	C,FILM 50V 4700PF
C1312	433A7045	C,ELEC 50V 4.7UF
C1313	433A7045	C,ELEC 50V 4.7UF
C1314	43089037	C,ELEC 25V 4.7UF

SYMBOL	PARTS NO	DESCRIPTION
C1315	42AA2721	C,CERAMIC 50V 0.1UF
C1316	430B9025	C,ELEC 16V 10UF
C1317	43026181	C,ELEC 35V 4700UF
C1318	42AA2726	C,CERAMIC 50V 0.01UF
C1319	430CF540	C.ELEC 16C 2200UF
C1322	430C0244	C.ELEC 16V 47UF
C1402	430B9039	C.ELEC 25V 22UF
C1406	430B9536	C.ELEC 200V 10UF
C1407	42AA2726	C.CECE 200V 0.01UF
C1408	430B9057	C.ELEC 35V 470UF
C1409	42AA2726	C.CERAMIC 50V 0 01UF
C1410	430B9057	C.ELEC 35V 470UF
C1412	4320E402	C.ELEC 200V 10UF
C1413	42703451	C.FILM 630V 1000PF
C1414	42703451	C,FILM 630V 1000PF
C2001	43089038	C,ELEC 25V 10UF
C2003	43089068	C,ELEC 50V 47UF
C2004	43089039	C,ELEC 25V 22UF
C5001	4303J224	C,ELEC 250V 4.7UF
C5003	42839022	C,METAL FILM 250V 0.1UF
C5004	43089041	C,ELEC 25V 47UF
C5005	43089552	C,ELEC 250V 1.0UF
C5006	42703451	C,FILM 630V 1000PF
C5007	423A1076	C,CERAMIC 50V 390PF
C5009	4309J183	C,ELEC 250V 10UF
C5010	430B9062	C,ELEC 50V 2.2UF
C5013	430B9042	C,ELEC 25V 100UF
C5014	421A0425	C,CERAMIC 50V 0.01UF
C5015	430B9041	C,ELEC 25V 47UF
C5016	421A0425	C,CERAMIC 50V 0.01UF
C5017	421D6009	C,CERAMIC 25V 0.1UF
C5018	421D6009	C,CERAMIC 25V 0.1UF
C5019	421A0425	C,CERAMIC 50V 0.01UF
C5020	421D6009	C,CERAMIC 25V 0.1UF
C5022	430B9041	C,ELEC 25V 47UF
C5023	421A0425	C,CERAMIC 50V 0.01UF
C5024	421D6009	C,CERAMIC 25V 0.1UF
C5025	421A0425	C,CERAMIC 50V 0.01UF
C5026	423A2045	C,CERAMIC 50V 100PF
C5027	421D6009	C.CERAMIC 25V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C5029	4320E403	C,ELEC 200V 100UF
C5030	42839022	C,METAL FILM 250V 0.1UF
G5031	430B9028	C,ELEC 16V 47UF
C5032	42807507	C,FILM 1.6KV 1800PF
C5033	42703458	C.FILM 630V 3900PF
C5036	421A0425	C.CERAMIC 50V 0.01UF
C5037	421A0425	C.CERAMIC 50V 0.01UF
C5038	433A7021	C.ELEC 25V 10UF
C5039	421A0425	C.CERAMIC 50V 0.01UF
C5040	430B9061	C,ELEC 50V 1.0UF
C5041	423A2045	C,CERAMIC 50V 100PF
C5042	423A2045	C,CERAMIC 50V 100PF
C5043	430B9041	C,ELEC 25V 47UF
C5044	421D6009	C,CELEC 25V 0.1UF
C5045 C5046 C5048 C5050 C5051	430BJ558 428D5093 430BJ558 4303J214 42074713	C,ELEC 250V 330UF C,METAL 250V 0.1UF C,ELEC 250V 330UF C,ELEC 200V 4.7UF C,CECE 200V 4.7UF C,CERAMIC 2.0KV 1000PF
C5052	42074713	C,CERAMIC 2.0KV 1000PF
C5053	43089025	C,ELEC 16V 10UF
C5054	43089556	C,ELEC 250V 10UF
C5055	43089536	C,ELEC 200V 10UF
C5057	42703451	C,FILM 630V 1000PF
C5058	421D6013	C,CERAMIC 50V 0.1UF
C5059	427F4667	C,FILM 50V 0.022UF
C5060	4303J214	C,ELEC 200V 4.7UF
C5061	430B9061	C,ELEC 50V 1.0UF
C5062	4309J183	C,ELEC 250V 10UF
C5063	4309J183	C,ELEC 250V 10UF
C5064	420C9563	C,CERAMIC 500V 1000PF
C5065	430B9041	C,ELEC 25V 47UF
C5066	421D6009	C,CERAMIC 25V 0.1UF
C5501	42817255	C,METAL 2KV 6800PF
C5502	42817255	C,METAL 2KV 6800PF
C5503	42807541	C,FilM 1.6K 0.043UF
C5507	42808501	C,METAL FILM 1.6KV 1000PF
C5507B	42703455	C,FilM 630V 2200PF
C5508	42703567	C,FilM 200V 0.022UF
C5509	42840149	C.METAL 250V 2.2UF 5%

SYMBOL	PARTS NO	DESCRIPTION
C5510	42839022	C,METAL FILM 250V 0.1UF
C5511	42839022	C,METAL FILM 250V 0.1UF
C5512	430B9041	C,ELEC 25V 47UF
C5513	421D6009	C,CERAMIC 25V 0.1UF
C5514	427J9057	C,FILM 100V 3300PF
C5515	430B9556	C,ELEC 250V 10UF
C5518	427F4607	C,FILM 50V 3300PF
C5519	427F4607	C,FILM 50V 3300PF
C5521	42816373	C,FILM 250V 4.7UF 5%
C5522	427F4609	C,FILM 50V 4700PF
C5524	430B9062	C,ELEC 50V 2.2UF
C5525	430B9069	C,ELEC 50V 100UF
C5526	430B9069	C,ELEC 50V 100UF
C5527	433A6079	C,ELEC 50V 2.2UF
C5528	42074709	C,CERAMIC 2.0KV 470PF
C5529	42839702	C,METAL 400V 0.12UF
C5530	42839702	C,METAL 400V 0.12UF
C5531	42839702	C,METAL 400V 0.12UF
C5532	42839702	C,METAL 400V 0.12UF
C5533	42837103	C,METAL FILM 400V 0.056
C5533B	42837103	C,METAL FILM 400V 0.056
C5535	42837103	C,METAL FILM 400V 0.056
C5537	42839702	C,METAL FILM 400V 0.12UF
C5539	42837123	C,METAL FILM 400V 0.39
C5541	42839707	C,METAL 400V 0.27UF 5%
C5543	42839637	C,METAL 400V 0.3UF
C5546	42816371	C,FILM 250V 3.3UF 5%
C5547	421D6009	C,CERAMIC 25V 0.1UF
C5548	421D6009	C,CERAMIC 25V 0.1UF
C5549	42106009	C,CERAMIC 25V 0.1UF
C5550	42106009	C,CERAMIC 25V 0.1UF
C5551	42106009	C,CERAMIC 25V 0.1UF
C5552	42106009	C,CERAMIC 25V 0.1UF
C5553	42106009	C,CERAMIC 25V 0.1UF
C5554	421D6009	C,CERAMIC 25V 0.1UF
C5556	421D6009	C,CERAMIC 25V 0.1UF
C5557	430B9029	C,ELEC 16V 100UF
C5558	421D6009	C,CERAMIC 25V 0.1UF
C5559	430B9041	C,ELEC 25V 47UF
C5560	421D6009	C.CERAMIC 25V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C5561	421D6009	C,CERAMIC 25V 0.1UF
C5562	430B9029	C,ELEC 16V 100UF
C5565	430B9041	C,ELEC 25V 47UF
C5566	421D6009	C,CERAMIC 25V 0.1UF
C5567	430B9041	C,ELEC 25V 47UF
C5571	427F4629	C,FILM 50V 0.22UF
C5572	427F4629	C,FILM 50V 0.22UF
C5573	427F4629	C,FILM 50V 0.22UF
C5574	427F4629	C,FILM 50V 0.22UF
C5575	430B9041	C,ELEC 25V 47UF
C5576	421D6009	C,CERAMIC 25V 0.1UF
C5577	430B9028	C,ELEC 16V 47UF
C701	43KB7515	C,ELEC 16V 10UF
C702	43KB7515	C,ELEC 16V 10UF
C703	43K87515	C,ELEC 16V 10UF
C706	43K87538	C,ELEC 16V 10OUF
C707	42AA2721	C,CERAMIC 50V 0.1UF
C708	43K87515	C,ELEC 16V 10UF
C709	43K87515	C,ELEC 16V 10UF
C711	43KB7515	C,ELEC 16V 10UF
C713	43KB7533	C,ELEC 50V 2.2UF
C714	43KB7533	C,ELEC 50V 2.2UF
C715	43KB7533	C,ELEC 50V 2.2UF
C716	43KB7533	C,ELEC 50V 2.2UF
C717	43KB7533	C,ELEC 50V 2.2UF
C718	43KB7533	C,ELEC 50V 2.2UF
C719	42CA1464	C,CERAMIC 50V 1000PF
C7207	43KB7441	C,ELEC CHIP 16V 10UF
C7208	43KB7444	C,ELEC CHIP 16V 47UF
C7209	43KB7444	C,ELEC CHIP 16V 47UF
C7210	42AA2721	C,CERAMIC 50V 0.1UF
C722	42CA1464	C,CERAMIC 50V 1000PF
C7226	42CA1434	C,CERAMIC 50V 56PF
C7227	42CA1428	C,CERAMIC 50V 33PF
C7228	42CA1420	C,CERAMIC 50V 15PF
C7229	42CA1420	C,CERAMIC 50V 15PF
C723	42CA1464	C,CERAMIC 50V 1000PF
C7230	42CA2726	C,CERAMIC 50V 0.01UF
C7231	43KB7518	C,ELEC 16V 47UF
C7232	42CA1440	C.CERAMIC 50V 100PF

SYMBOL	PARTS NO	DESCRIPTION
C7233	42AA2721	C.CERAMIC 50V 0.1UF
C7234	42AA2721	C.CERAMIC 50V 0.1UF
C7235	43KB7441	C.ELEC CHIP 16V 10UF
C7236	43KB7518	C.ELEC 16V 47UF
C7237	43KB7518	C,ELEC 16V 47UF
C7239	42AA2721	C,CERAMIC 50V 0.1UF
C724	42CA1464	C,CERAMIC 50V 1000PF
C7240	43KB7441	C,ELEC CHIP 16V 10UF
C7241	42AA2721	C,CERAMIC 50V 0.1UF
C7242	42AA2721	C,CERAMIC 50V 0.1UF
C7249	43KB7518	C,ELEC 18V 47UF
C725	43KB7476	C,ELEC CHIP 50V 2.2UF
C7250	43KB7452	C,ELEC CHIP 25V 33UF
C7251	42AA2721	C,CERAMIC 50V 0.1UF
C7252 C7253 C7254 C7255 C7256	42AA2721 42AA2721 42AA2721 42AA2721 42AA2721 43KB7441	C,CERAMIC 50V 0.1UF C,CERAMIC 50V 0.1UF C,CERAMIC 50V 0.1UF C,CERAMIC 50V 0.1UF C,ELEC CHIP 16V 10UF
C7257 C7258 C7259 C7260 C7261	42AA2721 42AA2746 43KB7474 430B9041 42AA2721	C,CERAMIC 50V 0.1UF C,CERAMIC 25V 0.22UF C,ELEC CHIP 50V 0.47UF C,ELEC 25V 47UF C,ELEC 25V 47UF C,CERAMIC 50V 0.1UF
C7262	43KB7474	C,ELEC CHIP 50V 0.47UF
C7263	42AA2721	C,CERAMIC 50V 0.1UF
C7264	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7265	42AA2746	C,CERAMIC 25V 0.22UF
C7266	42AA2746	C,CERAMIC 25V 0.22UF
C7267	43KB7441	C,ELEC CHIP 16V 10UF
C7268	43KB7474	C,ELEC CHIP 50V 0.47UF
C7269	43KB7474	C,ELEC CHIP 50V 0.47UF
C7270	42CA1440	C,CERAMIC 50V 100PF
C7271	42AA2721	C,CERAMIC 50V 0.1UF
C7272	42AA2721	C,CERAMIC 50V 0.1UF
C7273	42AA2721	C,CERAMIC 50V 0.1UF
C7274	42AA2721	C,CERAMIC 50V 0.1UF
C7275	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7276	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7277	42CA1430	C,CERAMIC 50V 39PF

SYMBOL	PARTS NO	DESCRIPTION
C7278	42CA1432	C,CERAMIC 50V 47PF
C7279	42AA2746	C,CERAMIC 25V 0.22UF
C728	42AA2721	C,CERAMIC 50V 0.1UF
C7281	42AA2746	C,CERAMIC 25V 0.22UF
C7282	42AA2746	C,CERAMIC 25V 0.22UF
C7283	43KB7452	C,ELEC CHIP 25V 33UF
C7284	42AA2721	C,CERAMIC 50V 0.1UF
C7285	42AA1525	C,CHIP CERAMIC 50V0.022UF
C7286	42AA2721	C,CERAMIC 50V 0.1UF
C7287	42AA1525	C,CHIP CERAMIC 50V0.022UF
C7288	42CA1418	C,CERAMIC 50V 12PF
C7289	42CA1415	C,CHIP 50V 9.0PF
C729	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7290	42AA1525	C,CHIP CERAMIC 50V0.022UF
C7291	42AA2721	C,CERAMIC 50V 0.1UF
C7292	43KB7452	C,ELEC CHIP 25V 33UF
C7293	42AA2721	C,CERAMIC 50V 0.1UF
C7294	43KB7475	C,ELEC CHIP 50V 1.0UF
C7295	43KB7475	C,ELEC CHIP 50V 1.0UF
C7296	42AA2729	C.CERAMIC 50V 0.047UF
C7297	43KB7441	C.ELEC CHIP 16V 10UF
C7298	43KB7475	C.ELEC CHIP 50V 1.0UF
C7299	430B9032	C.ELEC 16V 470UF
C730	42CA1464	C.CECE 16V 1000PF
C7300	42AA2721	C,CERAMIC 50V 0.1UF
C7301	43KB7532	C,ELEC 50V 1.0UF
C7302	42CA1440	C,CERAMIC 50V 100PF
C7303	43KB7530	C,ELEC 50V 0.3UF
C7304	42CA1440	C,CERAMIC 50V 100PF
C7305	43K87475	C.ELEC CHIP 50V 1.0UF
C7306	43K87475	C.ELEC CHIP 50V 1.0UF
C7307	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C7308	43K87476	C.ELEC CHIP 50V 2.2UF
C7309	42AA2721	C.CECRAMIC 50V 0.1UF
C731	42CA1464	C,CERAMIC 50V 1000PF
C7310	42AA2721	C,CERAMIC 50V 0.1UF
C7311	42AA2721	C,CERAMIC 50V 0.1UF
C7312	42AA2721	C,CERAMIC 50V 0.1UF
C7313	42AA2721	C,CERAMIC 50V 0.1UF
C7314	430B9032	C.ELEC 16V 470UF

SYMBOL	PARTS NO	DESCRIPTION
C7315	42AA2721	C.CERAMIC 50V 0.1UF
C7316	42AA1516	C.CHIP CERAMIC 50V 3900PF
C7317	42AA2721	C.CERAMIC 50V 0.1UF
C7318	43KB7476	C.ELEC CHIP 50V 2.2UF
C7319	43KB7475	C,ELEC CHIP 50V 1.0UF
C732	42CA1464	C,CERAMIC 50V 1000PF
C7320	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7321	42AA2721	C,CERAMIC 50V 0.1UF
C7322	430B9032	C,ELEC 16V 470UF
C7323	43KB7441	C,ELEC CHIP 16V 10UF
C7324	43KB7441	C,ELEC CHIP 16V 10UF
C7325	42AA2721	C,CERAMIC 50V 0.1UF
C7326	42CA1440	C,CERAMIC 50V 100PF
C7327	42CA1440	C,CERAMIC 50V 100PF
C7328	42AA2721	C,CERAMIC 50V 0.1UF
C7329	43KB7538	C,ELEC 16V 100UF
C733	430B6032	C,ELEC 16V 470UF
C7330	42AA2721	C,CERAMIC 50V 0.1UF
C7331	42AA2721	C,CERAMIC 50V 0.1UF
C7332	42AA2721	C,CERAMIC 50V 0.1UF
C7333	42AA2721	C,CERAMIC 50V 0.1UF
C7334	42AA2721	C,CERAMIC 50V 0.1UF
C7335	42AA2721	C,CERAMIC 50V 0.1UF
C7336	430B9029	C,ELEC 16V 100UF
C7337	42AA2721	C,CERAMIC 50V 0.1UF
C7338	42AA2721	C,CERAMIC 50V 0.1UF
C7339	430B9029	C,ELEC 16V 100UF
C734	42AA2721	C,CERAMIC 50V 0.1UF
C7355	430B9043	C,ELEC 25V 220UF
C7356	430B9043	C,ELEC 25V 220UF
C7401	43KB7523	C,ELEC 25V 33UF
C7402	42AA2721	C,CERAMIC 50V 0.1UF
C7403	42CA1428	C,CERAMIC 50V 33PF
C7404	430B9041	C,ELEC 25V 47UF
C7405	42AA2721	C,CERAMIC 50V 0.1UF
C7406	42AA2721	C,CERAMIC 50V 0.1UF
C7407	42AA1525	C,CHIP CERAMIC 50V0.022UF
C7408	43KB7475	C,ELEC CHIP 50V 1.0UF
C7409	42AA2729	C,CERAMIC 50V 0.047UF
C7410	42CA1416	C.CERAMIC 50V 10PF

SYMBOL	PARTS NO	DESCRIPTION
C7411	42CA1464	C.CERAMIC 50V 1000PF
C7412	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C7413	42CA1422	C.CERAMIC 50V 18PF
C7414	42CA1422	C.CERAMIC 50V 18PF
C7415	42AA2137	C,CERAMIC 50V 0.33UF
C7416	42AA2729	C,CERAMIC 50V 0.047UF
C7417	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7418	42AA2721	C,CERAMIC 50V 0.1UF
C7419	42AA2721	C,CERAMIC 50V 0.1UF
C7422	43KB7523	C,ELEC 25V 33UF
C7423	42AA2721	C,CERAMIC 50V 0.1UF
C7424	42AA2721	C,CERAMIC 50V 0.1UF
C7425	43KB7441	C,ELEC CHIP 16V 10UF
C7426	42AA1515	C,CHIP CERAMIC 50V 3300PF
67427	43KB7531	C,ELEC 50V 0.47UF
67428	42AA2721	C,CERAMIC 50V 0.1UF
67429	42AA1523	C,CHIP CERAMIC 50V0.015UF
67432	43KB7452	C,ELEC CHIP 25V 33UF
67433	42CA1464	C,CERAMIC 50V 1000PF
C7434	42AA2721	C,CERAMIC 50V 0.1UF
C7435	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7436	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7437	430B9042	C,ELEC 25V 100UF
C7438	42CA1416	C,CERAMIC 50V 10PF
C7439	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7440	42AA2721	C,CERAMIC 50V 0.1UF
C7441	42AA2721	C,CERAMIC 50V 0.1UF
C7442	42AA2721	C,CERAMIC 50V 0.1UF
C7443	42AA2721	C,CERAMIC 50V 0.1UF
C7444	42AA2721	C,CERAMIC 50V 0.1UF
C7445	42AA2721	C,CERAMIC 50V 0.1UF
C7446	42AA2721	C,CERAMIC 50V 0.1UF
C7447	430B9042	C,ELEC 25V 100UF
C7449	42AA2721	C,CERAMIC 50V 0.1UF
C7451	42AA2721	C,CERAMIC 50V 0.1UF
C7452	42AA2721	C,CERAMIC 50V 0.1UF
C7453	42AA2721	C,CERAMIC 50V 0.1UF
C7501	42CA1432	C,CERAMIC 50V 47PF
C7502	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7503	43KB7523	C.ELEC 25V 33UF

SYMBOL	PARTS NO	DESCRIPTION
C7504	42CA1432	C.CERAMIC 50V 47PF
C7505	42CA1432	C.CERAMIC 50V 47PF
C8001	430B9064	C.ELEC 50V 4.7UF
C8002	42AA2721	C.CERAMIC 50V 0.1UF
C8003	433A7021	C,ELEC 25V 10UF
C8004	42AA2721	C,CERAMIC 50V 0.1UF
C8005	433A7021	C,ELEC 25V 10UF
C8006	42AA2721	C,CERAMIC 50V 0.1UF
C8007	433A7021	C,ELEC 25V 10UF
C8009	42AA2721	C,CERAMIC 50V 0.1UF
C801	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8010	430B9029	C,ELEC 16V 100UF
C8011	42AA2721	C,CERAMIC 50V 0.1UF
C8012	430B9062	C,ELEC 50V 2.2UF
C8013	430B9062	C.ELEC 50V 2.2UF
C8014	430B9062	C.ELEC 50V 2.2UF
C8015	42AA2721	C.CERAMIC 50V 0.1UF
C8016	430B9039	C.ELEC 25V 22UF
C8017	42AA2721	C.CECAMIC 50V 0.1UF
C8018	43086039	C,ELEC 25V 22UF
C8019	42AA2721	C,CERAMIC 50V 0.1UF
C802	43CC1345	C,ELEC 16V 33UF
C8020	42AA2721	C,CERAMIC 50V 0.1UF
C8021	43086039	C,ELEC 25V 22UF
C8022	430B6061	C,ELEC 50V 1 OUF
C8023	42AA1517	C,CHIP CERAMIC 50V 4700PF
C8024	42AA2721	C,CERAMIC 50V 0.1UF
C8026	42CA1426	C,CERAMIC 50V 27PF
C8028	42CA1464	C,CERAMIC 50V 1000PF
C8029 C803 C8032 C8033 C8034	430B9029 42AA1521 430B9061 430B9061 42AA2721	C,ELEC 16V 100UF C,CHIP CERAMIC 50V 0.01UF C,ELEC 50V 1.0UF C,ELEC 50V 1.0UF C,CECE 50V 0.1UF
C8038	430B9033	C,ELEC 16V 1000UF
C8039	42AA2721	C,CERAMIC 50V 0.1UF
C804	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8040	42AA2721	C,CERAMIC 50V 0.1UF
C8041	430B9042	C,ELEC 25V 100UF
C8045	43089029	C.ELEC 16V 100UF

SYMBOL	PARTS NO	DESCRIPTION
C8046	42AA2721	C,CERAMIC 50V 0.1UF
C8047	42AA2721	C,CERAMIC 50V 0.1UF
C8048	430B9042	C,ELEC 25V 100UF
C8049	430B9038	C,ELEC 25V 10UF
C805	43CC1345	C.ELEC 16V 33UF
C8050	43088178	C.ELEC 50V 4.7UF
C8051	43088176	C.ELEC 50V 2.2UF
C8052	42AA2721	C.CERAMIC 50V 0.1UF
C8053	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C8054	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8055	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8056	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8057	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8058	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8059	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C806	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8060	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8061	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8062	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C807	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C808	43CC1345	C,ELEC 16V 33UF
C809	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C810	43CC1350	C,ELEC 25V 3.3UF
C8102	42CA1458	C,CECEC 25V 5.00F
C8104	42AA2721	C,CERAMIC 50V 0.1UF
C8105	430B9552	C,ELEC 250V 1.0UF
C8106	42840105	C,METAL FILM 250V 1UF
C811	42AA2721	C,CERAMIC 50V 0.1UF
C8111	42AA2721	C,CERAMIC 50V 0.1UF
C8112	430B9552	C,ELEC 250V 1.0UF
C8113	42840105	C,METAL FILM 250V 1UF
C8118	42AA2721	C,CERAMIC 50V 0.1UF
C8119	430B9552	C,ELEC 250V 1.0UF
C812	42AA2721	C,CERAMIC 50V 0.1UF
C8120	42840105	C,METAL FILM 250V 1UF
C8122	4201J575	C,CERAMIC 500V 0.01UF
C8123	430B9556	C,ELEC 250V 10UF
C8124	42AA2721	C,CERAMIC 500V 0.1UF
C8125	4201J575	C,CERAMIC 500V 0.01UF
C8126	43089556	C.ELEC 250V 10UF

SYMBOL	PARTS NO	DESCRIPTION
C8128	430B6555	C.ELEC 250V 4.7UF
C8129	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C813	43CC1350	C.ELEC 25V 3.3UF
C8130	430B6555	C.ELEC 250V 4.7UF
C8131	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C8132	430B6555	C.ELEC 250V 4.7UF
C8133	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C8138	42CA1416	C.CERAMIC 50V 10PF
C8139	42CA1416	C.CERAMIC 50V 10PF
C814	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8140	42CA1416	C,CERAMIC 50V 10PF
C8141	42AA2721	C,CERAMIC 50V 0.1UF
C8142	42AA2721	C,CERAMIC 50V 0.1UF
C8143	42AA2721	C,CERAMIC 50V 0.1UF
C815	43CC1345	C,ELEC 16V 33UF
C816	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C817	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C818	43CC1345	C,ELEC 16V 33UF
C819	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C820	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C821	43CC1345	C,ELEC 16V 33UF
C822	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C823	42AA2721	C,CERAMIC 50V 0.1UF
C824	43KB7523	C,ELEC 25V 33UF
C825 C826 C827 C828 C829	42AA1521 43CC1345 42AA1521 42AA1521 43CC1345	C,CHIP CERAMIC 50V 0.01UF C,ELEC 16V 33UF C,CHIP CERAMIC 50V 0.01UF C,CHIP CERAMIC 50V 0.01UF C,CHIP CERAMIC 50V 0.01UF C,ELEC 16V 33UF
C830	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C831	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C832	43CC1345	C,ELEC 16V 33UF
C833	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C834	42AA2721	C,CERAMIC 50V 0.1UF
C835	43KB7452	C,ELEC CHIP 25V 33UF
C836	42AA1521	C,CHIP CERAMIC 5DV 0.01UF
C837	43KB7538	C,ELEC 16V 100UF
C838	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C839	43KB7515	C,ELEC 16V 10UF
C840	43KB7538	C.ELEC 16V 100UF

SYMBOL	PARTS NO	DESCRIPTION
C841	42AA2721	C.CERAMIC 50V 0.1UF
C842	42AA2721	C.CERAMIC 50V 0.1UF
C844	42AA2721	C.CERAMIC 50V 0.1UF
C845	43KB7523	C.ELEC 25V 33UF
C846	42AA1521	C,CHIP CERAMIC 50V 0.01U
C847	42AA1521	C,CHIP CERAMIC 50V 0.01U
C848	42AA1521	C,CHIP CERAMIC 50V 0.01U
C901	421D6009	C,CERAMIC 25V 0.1UF
C902	42034143	C,CERAMIC 2KV 1000PF
C904	42019175	C.CERAMIC 2KV 0.01UF

2. XM-2960

SYMBOL	PARTS NO	DESCRIPTION
*** CRT	& TUNER **	**
CRT	33029036	CRT-M68LMF256X
*** CS	***	
101003 101004 101005 101006 101007	370EC030 37058820 370E3275 37058805 37056122	MOS HD74HC573FP-EL MOS UPD78P018FYCW MOS HD74HC138FPTL MOS 24LC08B/P MOS UPD71055C
101008 101010 101011 101012 101013	371E1568 37058829 37058582 37056111 37056111	IC PST529G-2(T)(3.3V RES) MOS UPD78P014YCW MOS MAX232CPE (TRNSMIT) MOS UPD71051C
C1014 C1015 C1022 C1023 C1024	370E3306 37056122 37005160 37005164 37005228	MOS UPD74HC32GS~T2 MOS UPD71055C IC MC7812CT (JBL1045CT) IC MC7912CT (REG) IC PQ05RF1 (REG)
1C1030 1C1031 1C1032 1C1033 1C1301	37009037 370E3425 37101395 37011320 37001086	IC UPC1885CT MMS UPD74HC221AG-T1 IC BA10324 IC LA6500 IC TA8211AH (AMP)
101302 101401 101402 101403 101404	37001075 37011068 37006023 37005315 37005316	IC UPC1406HA (DC-CONT) IC UPC4558C (OP AMP) IC STK792-110 IC NJM7818FA IC NJM7918FA
102002 105003 105005 105006 105501	37056616 370K0011 37058804 37011363 37056616	IC BA10358 IC UPC78L12T-E2 MOS M62353P IC M52723SP IC BA10358
1 C5502 1 C5503 1 C5504 1 C701 1 C7202	37101395 37058477 37005085 37011361 370AA009	IC BA10324 MOS UPD6345C (DRIVER) IC UPC78L12J IC MM1313AD (AV-SW) IC MM1112XF (V-SW)

SYMBOL	PARTS NO	DESCRIPTION
1C7205 1C7208 1C7209 1C7210 1C7211	370AA008 370AA008 37011342 37003058 370E3413	C MM1111XF(V-SW) C MM1111XF(V-SW) C TA8772AN (1H DL) C TA8880CN MOS UPD4538BG-T2
107213 107214 107401 107402 107404	37903282 37005093 37RAA004 37R58088 37011299	IC UPC7805AHF IC NJM7809FA IC CXA1886M-T6 MOA CXD2024AQ IC LA7950 (50/60 SW)
1 C8001 1 C8002 1 C8004 1 C8005 1 C801	37010006 370EH018 37005256 37903282 37RED061	IC M52320SP MOS M62358FP-75BC IC UPC7812AHF (REG) IC UPC7805AHF MOS 24LC21T-I/SN
1 C802 1 C803 1 C804 1 C805 1 C8101	370E6009 37011018 37056615 37011018 37RAA010	MOS UPD4066BG (T2) IC UPC311C (COMP) IC BA10393 IC UPC311C (COMP) IC AD8013AR-14-REEL
RV101	37058792	PHOTO SENSOR SBX8025A-F
*** TRA	NSISTORS **	*
Q1001 Q1020 Q1021 Q1023 Q1026	35CB0015 35CB0015 35CB0015 35CB0015 35EB0002	TR 2SC1623-T2B(180°) L5 TR 2SC1623-T2B(180°) L5 TR 2SC1623-T2B(180°) L5 TR 2SC1623-T2B(180°) L5 TR FA1A4M-T2B(180°)
Q1030 Q1033 Q1034 Q1035 Q1038	35CB0015 35CB0015 35CB0015 35CB0015 35CB0015	TR 2SC1623-T2B(180°) L5
Q1044 Q1050 Q1051 Q1052 Q1053	35EB0002 35CB0015 35CB0015 35EB0002 35EB0026	TR FA1A4M-T2B(180°) TR 2SC1623-T2B(180°) L5 TR 2SC1623-T2B(180°) L5 TR FA1A4M-T2B(180°) TR FA1L4M-T2B

TR FA1L4M-T2B

Q1055

35EB0026

SYMBOL	PARTS NO	DESCRIPTION
Q1056 Q1057 Q1058 Q1059	35EB0026 35CB0015 35AB0015 35AB0015	TR FAIL4M-T2B TR 2SC1623-T2B(180°) L5 TR 2SA812-T2B(180°) M5 TR 2SA812-T2B(180°) M5
Q1301 Q1302 Q1401 Q1402 Q1403	35CB0015 35CB0015 35EB0002 35CB0015 35AB0015	TR 2SC1623-T2B(180°) L5 TR 2SC1623-T2B(180°) L5 TR FA1A4M-T2B(180°) TR 2SC1623-T2B(180°) L5 TR 2SA812-T2B(180°) M5
Q1404 Q1405 Q1407 Q5001 Q5002	35CB0015 350H4418 35063411 35127470 350E3218	TR 2SC1623-T2B(180°) L5 TR.2SC1473-TA R TR.2SD401A K TR 2SJ306 TR 2SJ306 TR 2SC1740S-T R
Q5003 Q5004 Q5005 Q5006 Q5007	350K5700 350E3218 350E3218 350A1500 35122800	TR 2SA933S-T TR 2SC1740S-T R TR 2SC1740S-T R TR 2SA1767-TA TR 2SK1271
Q5008 Q5009 Q5010 Q5011 Q5012	350E3218 350E3218 35005216 35084400 35007204	TR 2SC1740S-T R TR 2SC1740S-T R TR 2SA1018 P TR 2SC3063 TR 2SA1381 D
Q5013 Q5014 Q5015 Q5017 Q5020	35084400 35094200 35005216 35124500 350H4418	TR.2SC3063 TR 2SC4572 TR 2SA1018 P TR 2SJ196 TR.2SC1473-TA R
Q5023 Q5024 Q5025 Q5027 Q5028	351G0577 351G0577 35122800 350E3218 350A2020	TR DTC144ESA-T TR DTC144ESA-T TR 2SK1271 TR 2SC1740S-T TR 2SA933AS-T
Q5029 Q5030 Q5031 Q5032 Q5033	35095340 35025211 35025211 350H4418 350H4418	TR 2SC2518 TR 2SB546 K TR 2SB546 K TR 2SB546 K TR.2SC1473-TA R TR,2SC1473-TA R
Q5034	350H4418	TR,2SC1473-TA R

SYMBOL	PARTS NO	DESCRIPTION
		T
Q5035 Q5036	35095340 350H4418	TR 2SC2518 TR,2SC1473-TA R
Q5037 Q5038	350E3218 350E3218	TR 2SC1740S-T R
	350A2020	TR 2SA933AS-T
Q5039 Q5501	35095300	TR 2SC5144
Q5502 Q5503	35128007 35128007	TR FS14SM-18A TR FS14SM-18A
Q5504	35122500	TR 2SK758
Q5505 Q5506	35122500 350E3218	TR 2SK758 TR 2SC1740S-T R
Q5507	350A2020	TR 2SA933AS-T
Q5508 Q5509	35070812 350H4417	TR 2SD1587 L TR,2SC1473-TA Q
Q5510	350H4417	TR,2SC1473-TA Q
Q5511 Q5512	35052317 35070812	TR,2SC1573 Q TR 2SD1587 L
Q5513 Q5514	35031112 350E3218	TR 2581096 L TR 25C1740S-T R
		1
Q5515 Q5516	350E3218 350E3218	TR 2SC1740S-T R
Q5517 Q5518	350E3218 350E3218	TR 2SC1740S-T R TR 2SC1740S-T R
Q5519	350E3218	TR 2SC1740S-T R
Q5520	35127580 35127580	TR 2SK1642 TR 2SK1642
Q5520B Q5521	35127580	TR 2SK1642
Q5522 Q5523	35127580 35127580	TR 25K1642 TR 25K1642
Q5524	35127580	TR 25K1642
Q5525 Q5526	35127580 35127580	TR 2SK1642 TR 2SK1642
Q5527	35063412	TR 2SD401A L
Q5528	35063412	
Q5529 Q5530	35063412 35063412	TR 2SD401A L TR 2SD401A L
Q5533 Q5535	351G0570 351G0570	TR DTA144ESA-T
Q5536	351G0577	TR DTC144ESA-T
Q5540	350E3218	TR 2SC1740S-T R

SYMBOL	PARTS NO	DESCRIPTION
Q5541 Q5542 Q5543 Q5544	350E3218 350E3218 350E3218 350E3218	TR 2SC1740S-T R TR 2SC1740S-T R TR 2SC1740S-T R TR 2SC1740S-T R
Q705	35AB0015	TR 2SA812-T2B(180°) M5
Q706	35AB0015	TR 2SA812-T2B(180°) M5
Q707	35CB0011	TR 2SC1623-T1B L5
Q7201	35EB0026	TR FA1L4M-T2B
Q7202	35EB0026	TR FA1L4M-T2B
Q7204 Q7205 Q7206 Q7207 Q7209	35CB0011 35CB0011 35CB0011 35CB0011 35CB0011	TR 2SC1623-T18 L5
Q7210	35EB0026	TR FAIL4M-T2B
Q7211	35EB0026	TR FAIL4M-T2B
Q7212	35EB0026	TR FAIL4M-T2B
Q7213	35EB0026	TR FAIL4M-T2B
Q7214	35EB0011	TR 2SC1623-T1B L5
Q7215	35EB0026	TR FAIL4M-T2B
Q7216	35EB0026	TR FAIL4M-T2B
Q7217	35CB0011	TR 2SC1623-T1B L5
Q7218	35CB0011	TR 2SC1623-T1B L5
Q7219	35CB0011	TR 2SC1623-T1B L5
Q7220	35CB0011	TR 2SC1623-T18 L5
Q7221	35CB0011	TR 2SC1623-T18 L5
Q7222	35CB0011	TR 2SC1623-T18 L5
Q7401	35CB0011	TR 2SC1623-T18 L5
Q7402	35CB0011	TR 2SC1623-T18 L5
Q7403	35CB0011	TR 2SC1623-T1B L5
Q7404	35EB0026	TR FA1L4M-T2B
Q7405	35AB0015	TR 2SA812-T2B(180*) M5
Q7406	35AB0015	TR 2SA812-T2B(180*) M5
Q7407	35AB0015	TR 2SA812-T2B(180*) M5
Q7408 Q7409 Q7502 Q7503 Q8003	35AB0015 35AB0015 35CB0011 35CB0011 35CB0011	TR 2SA812-T2B(180°) M5 TR 2SA812-T2B(180°) M5 TR 2SC1623-T1B L5 TR 2SC1623-T1B L5 TR 2SC1623-T1B L5
Q8007	35080011	TR 2SC1623-T1B L5

SYMBOL	PARTS NO	DESCRIPTION
Q8008	35AB0015	TR 2SA812-T2B(180°) M5
Q8009	35CB0011	TR 2SC1623-T1B L5
Q801	35CB0011	TR 2SC1623-T1B L5
Q8010	35OH5017	TR,2SC3811-TA Q
Q8013	35AB0015	TR 2SA812-T28(180*) M5
Q8014	35CB0011	TR 2SC1623-T18 L5
Q8015	35CB0011	TR 2SC1623-T18 L5
Q802	35CB0011	TR 2SC1623-T18 L5
Q803	35CB0011	TR 2SC1623-T18 L5
Q804	35CB0011	TR 2SC1623-T1B L5
Q805	35CB0011	TR 2SC1623-T1B L5
Q806	35CB0011	TR 2SC1623-T1B L5
Q807	35EB0205	TR DTA144EKA-T146(0°)
Q808	35EB0026	TR FALL4M-T2B
Q810 Q8101 Q8102 Q8103 Q8104	35EB0205 35095333 35095323 35084105 35006305	TR DTA144EKA-T146(0°) TR 2SC4271 E TR 2SC4623 E TR.2SC3600 E TR.2SA1406 E
Q8105	35012053	TR 2SA1371 E
Q8108	35095323	TR 2SC4623 E
Q8109	35084105	TR.2SC3600 E
Q811	35EB0026	TR FA1L4M-T2B
Q8110	35006305	TR.2SA1406 E
Q8111	35012053	TR 2SA1371 E
Q8113	35095333	TR 2SC4271 E
Q8114	35095323	TR 2SC4623 E
Q8115	35084105	TR.2SC3600 E
Q8116	35006305	TR.2SA1406 E
Q8117	35012053	TR 2SA1371 E
Q8119	35080011	TR 2SC1623-T1B L5
Q8120	35080011	TR 2SC1623-T1B L5
Q8124	35080011	TR 2SC1623-T1B L5
Q8125	35080011	TR 2SC1623-T1B L5
Q8126 Q8127 Q8128 Q8129 Q813	35CB0011 350H4417 350H4417 350H4417 35CB0011	TR 2SC1623-T1B L5 TR.2SC1473-TA Q TR.2SC1473-TA Q TR.2SC1473-TA Q TR.2SC1473-TA Q TR 2SC1623-T1B L5
Q8133	35CB2433	TR 2SC4269 4-TB

SYMBOL	PARTS NO	DESCRIPTION
Q8134	35CB2433	TR 2SC4269 4-TB
Q8135	35CB2433	TR 2SC4269 4-TB
Q814	35CB0011	TR 2SC1623-T1B L5
Q815	35CB0011	TR 2SC1623-T1B L5
Q816 Q817 Q818 Q819 Q820	35EB0205 35EB0026 35CB0011 35EB0026 35EB0026	TR DTA144EKA-T146(0°) TR FA1L4M-T2B TR 2SC1623-T1B L5 TR FA1L4M-T2B TR FA1L4M-T2B
Q8207	35095333	TR 2SC4271 E
Q821	35EB0026	TR FA1L4M-T2B
Q823	35EB0026	TR FA1L4M-T2B
Q824	35EB0026	TR FA1L4M-T2B
Q825	35CB0011	TR 2SC1623-T1B L5
Q826	35CB0011	TR 2SC1623-T1B L5
Q827	35CB2433	TR 2SC4269 4-TB
Q828	35AB0123	TR 2SA1461-T2B Y23
Q829	35CB2433	TR 2SC4269 4-TB
Q830	35AB0123	TR 2SA1461-T2B Y23
Q831	35CB2433	TR 2SC4269 4-TB
Q832	35AB0123	TR 2SA1461-T2B Y23
*** DIC	DES ***	
D1001	36CB0213	DIODE DAN212K-T146
D1002	36CB0213	DIODE DAN212K-T146
D1003	361K7522	DIODE ERA15-02 VI
D101	36801348	LED SPR39MVWF
D1011	361K7522	DIODE ERA15-02 VI
D1015	36CB0213	DIODE DAN212K-T146
D1016	36CB0213	DIODE DAN212K-T146
D1021	36CB0213	DIODE DAN212K-T146
D1022	36CB0213	DIODE DAN212K-T146
D1023	36CB0213	DIODE DAN212K-T146
D1024	36ĆB0213	DIODE DAN212K-T146
D1025	36CB0213	DIODE DAN212K-T146
D1031	36CB0079	DIODE DAN202K-T146(0°)
D1034	36107562	DIODE EGP10G
D1035	36107562	DIODE EGP10G
D1036	36CB0213	DIODE DAN212K-T146

SYMBOL	PARTS NO	DESCRIPTION
D1037 D1038 D1039 D1040	36CB0213 36CB0213 36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146
D1041 D1042 D1043 D1044 D1301	36CB0079 36CB0213 36CB0079 36CB0213 36CB0213	DIODE DAN202K-T146(0°) DIODE DAN212K-T146 DIODE DAN212K-T146(0°) DIODE DAN212K-T146 DIODE DAN212K-T146
D1302 D1303 D1401 D1402 D1403	36CB0213 36CB0079 36CB0213 36CB0213 36CB0079	DIODE DAN212K-T146 DIODE DAN202K-T146(0°) DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN202K-T146(0°)
D1407 D1408 D1409 D5001 D5002	36C80213 36C80213 36C80213 36107562 36107638	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE EGP10G DIODE EGP10G
D5003 D5004 D5006 D5007 D5008	360K1049 360K1049 36107562 360K1049 360K1049	DIODE 1SS270A TA DIODE 1SS270A TA DIODE EOPIOG DIODE 1SS270A TA DIODE 1SS270A TA
D5010 D5011 D5012 D5013 D5015	360K1049 36107761 36107761 36108254 360K1049	DIODE 1SS270A TA DIODE RU4DS(LF-J2) DIODE RU4DS(LF-J2) DIODE RU4DS(LF-J2) DIODE ESAC39M-04D F77 DIODE ISS270A TA
D5016 D5017 D5018 D5019 D5020	360K1049 360K1049 360K1049 36107562 360K1049	DIODE 1SS270A TA DIODE 1SS270A TA DIODE 1SS270A TA DIODE 1SS270A TA DIODE EGP10G DIODE 1SS270A TA
D5022 D5023 D5024 D5025 D5501	360K1049 361K7522 360K1049 360K1049 36107765	DIODE 1SS270A TA DIODE ERA15-02 V1 DIODE 1SS270A TA DIODE 1SS270A TA DIODE 1SS270A TA DIODE FMQ-G5GS
D5502	36107285	DIODE SB340

SYMBOL	PARTS NO	DESCRIPTION
D5503	361K7541	DIODE EGOIA-VI
D5504	361K7541	DIODE EGOIA-VI
D5507	360K1049	DIODE ISS270A TA
D5508	360K1049	DIODE ISS270A TA
D5509	361K7737	DIODE EGOIZ VI
D5510	361K7737	DIODE EGOIZ VI
D5513	361K7307	DIODE RGICVI
D5514	361K7737	DIODE EGOIZ VI
D5516	360K1049	DIODE ISS270A TA
D5517	360K1049	DIODE 1SS27DA TA
D5518	360K1049	DIODE 1SS27OA TA
D5519	360K1049	DIODE 1SS27OA TA
D5520	360K1049	DIODE 1SS27OA TA
D5521	360K1049	DIODE 1SS27OA TA
05522	360K1049	DIODE 188270A TA
0701	361K7522	DIODE ERA15-02 VI
07501	36CB0213	DIODE DAN212K-T146
07502	36CB0213	DIODE DAN212K-T146
07503	36CB0213	DIODE DAN212K-T146
D7504	36CB0213	DIODE DAN212K-T146
D7505	361K7522	DIODE ERA15-02 VI
D7506	361K7522	DIODE ERA15-02 VI
D7507	36CB0213	DIODE DAN212K-T146
D7508	36CB0213	DIODE DAN212K-T146
D8001	36CB0213	DIODE DAN212K-T145
D8002	36CB0213	DIODE DAN212K-T146
D8003	36CB0213	DIODE DAN212K-T146
D8004	36CB0213	DIODE DAN212K-T146
D8005	36CB0213	DIODE DAN212K-T146
D8006 D8007 D8008 D8009 D801	36CB0213 360K1037 361K8232 361K8232 361K8232 36CB0213	DIODE DAN212K-T146 DIODE 1SS83 DIODE RB721Q-T72 DIODE RB721Q-T72 DIODE DAN212K-T146
D8010	361K8232	DIODE RB721Q-T72
D8011	361K7522	DIODE ERA15-02 V1
D802	36CB0213	DIODE DAN212K-T146
D803	36CB0213	DIODE DAN212K-T146
D804	36CB0213	DIODE DAN212K-T146
D805	36080213	DIODE DAN212K-T146

SYMBOL	PARTS NO	DESCRIPTION
D806	36CB0213	DIODE DAN212K-T146
D8101	36CB0213	DIODE DAN212K-T146
D8102	361K8232	DIODE RB721Q-T72
D8103	360K1025	DIODE 1SS133
D8104	360K1025	DIODE 1SS133
D8105	360K1037	DIODE 1SS83
D8106	360K1037	DIODE 1SS83
D8107	360K1037	DIODE 1SS83
D8108	36CB0213	DIODE DAN212K-T146
D8109	361K8232	DIODE RB721Q-T72
D811	36CB0213	DIODE DAN212K-T146
D8110	360K1025	DIODE 1SS133
D8111	360K1025	DIODE 1SS133
D8112	360K1037	DIODE 1SS83
D8113	360K1037	DIODE 1SS83
D8114	360K1037	DIODE 1SS83
D8115	36CB0213	DIODE DAN212K-T146
D8116	361K8232	DIODE RB721Q-T72
D8117	360K1025	DIODE 1SS133
D8118	360K1025	DIODE 188133
D8119	360K1037	DIODE 18883
D812	36CB0213	DIODE DAN212K-T146
D8120	360K1037	DIODE 18883
D8121	360K1037	DIODE 18883
D813	36CB0213	DIODE DAN212K-T146
D814	36CB0213	DIODE DAN212K-T146
D815	36CB0213	DIODE DAN212K-T146
D816	36CB0213	DIODE DAN212K-T146
D817	36CB0213	DIODE DAN212K-T146
D818	36C80213	DIODE DAN212K-T146
D819	36C80213	DIODE DAN212K-T146
D820	36C80213	DIODE DAN212K-T146
D821	36C80213	DIODE DAN212K-T146
D822	36C80213	DIODE DAN212K-T146
D823	36CB0213	DIODE DAN212K-T146
D824	36CB0213	DIODE DAN212K-T146
D825	36CB0213	DIODE DAN212K-T146
D826	36CB0213	DIODE DAN212K-T146
D827	36CB0213	DIODE DAN212K-T146
D828	36CB0213	DIODE DAN212K-T146

SYMBOL	PARTS NO	DESCRIPTION
D829 D830	36CB0213 36CB0213	DIODE DAN212K-T146
D831 D832	36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146
D833 D834	36CB0213 36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146
D835 D836 D837	36CB0213 36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146
D838 D839	36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146
D840 D841 D842	36CB0213 36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146
D843	36CB0213	DIODE DAN212K-T146
D844 ZD1011 ZD1012	36CB0213 36BB0093 36BB0101	DIODE DAN212K-T146 DIODE RD4.7MB1-T28(180°) DIODE RD5.6MB2-T28(180°)
ZD1013	36880093	DIODE RD4.7MB1-T2B(180°)
ZD1015 ZD1017 ZD1018	36880093 36880093 36880061	DIODE RD4.7MB1-T2B(180°) DIODE RD4.7MB1-T2B(180°) DIODE RD12MB-T2B
ZD1019 ZD1020	368B0061 36BB0061	DIODE RD12MB-T2B DIODE RD12MB-T2B
ZD1021 ZD1022	36880061 36880061	DIODE RD12MB-T2B
ZD1023 ZD1024 ZD1025	36880061 36880061 36880061	DIODE RDI2MB-T28 DIODE RDI2MB-T2B DIODE RDI2MB-T2B
ZD1025 ZD1036	36BB0093	DIODE RD4.7MB1-T2B(180°)
ZD1040 ZD1041 ZD1242	36880085 36880086 36880097	DIODE RD3.3MB2-T2B(180°) DIODE RD3.6MB-T2B(180°) DIODE RD5.1MB2-T2B(180°)
ZD1301	36880122	DIODE RD10MB2-T28(180°)
ZD1401 ZD1404 ZD1405	36880108 36880108 36880061	DIODE RD6.8MB2-T2B(180°) DIODE RD6.8MB2-T2B(180°) DIODE RD12MB-T2B
ZD1405 ZD1406 ZD2001	368B0108 360K3671	DIODE RD6.8MB2-T28(180°) DIODE RD12ES AB2-T4
ZD2002	360K3634	DIODE RD5.1ESB(1)-T4

SYMBOL	PARTS NO	DESCRIPTION
ZD2003 ZD5002 ZD5003 ZD5004	360K3634 360K3643 360K3654 360K3623	DIODE RD5.1ESB(1)-T4 DIODE RD6.2ES AB2-T4 DIODE RD8.2ES AB1-T4 DIODE RD3.9ESB(1)-T4
ZD5007 ZD5008 ZD5009 ZD5010 ZD5501	350K3652 360K3658 360K3658 360K3634 360K3671	DIODE RO10ESB(1)-T4 DIODE RD9.1ESB(1)-T4 DIODE RD9.1ESB(1)-T4 DIODE RD5.1ESB(1)-T4 DIODE RD12ES AB2-T4
ZD5502 ZD5503 ZD7201 ZD7202 ZD7501	360K3688 360K3635 36BB0098 36BB0088 36BB0098	DIODE RD18ES AB3-T4 DIODE RD5.1ESB(2)-T4 DIODE RD5.1MB3-T2B(180°) DIODE RD5.1MB3-T2B(180°) DIODE RD5.1MB3-T2B(180°)
ZD7502 ZD7503 ZD7504 ZD7505 ZD7506	36880071 36880071 36880071 36880071 36880071	DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°)
ZD7507 ZD7508 ZD7509 ZD7510 ZD7511	36BB0071 36BB0071 36BB0071 36BB0071 36BB0071	DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°)
ZD7512 ZD7513 ZD7514 ZD7515 ZD7516	36880071 36880071 36880071 36880071 36880071	DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°)
ZD7517 ZD8002 ZD8003 ZD8004 ZD8005	36880071 36880108 36880108 36880097 36880105	DIODE RD15M82-T2(180°) DIODE RD6.8M82-T2B(180°) DIODE RD6.8M82-T2B(180°) DIODE RD5.1M82-T2B(180°) DIODE RD6.2M82-T2B(180°)
Z08006 Z08007 ZD8008 ZD801 ZD802	36880105 36880105 36880105 36880099 36880099	DIODE RD6.2MB2-T2B(180°) DIODE RD6.2MB2-T2B(180°) DIODE RD6.2MB2-T2B(180°) DIODE RD5.6MB-T2B(180°) DIODE RD5.6MB-T2B(180°)
ZD803	36880099	DIODE RD5.6MB-T2B(180°)

SYMBOL	PARTS NO	DESCRIPTION
ZD804 ZD805 ZD806 ZD807	36880099 36880097 36880099 36880099	DIODE RD5.6MB-T2B(180°) DIODE RD5.1MB2-T2B(180°) DIODE RD5.6MB-T2B(180°) DIODE RD5.6MB-T2B(180°)
*** TRA	ANSFORMERS >	***
L5002 L5006 T5002 T5003 T5501	46207001 46316606 47105429 46316604 47710022 45805001	COIL,CHOKE 2MH COIL,CHOKE F.B.T(MSU1FHN49) TRANS,DYNAMIC FOCUS TRANS, H. OUT TRANS, H. OUT
*** VAR	RIABLE RESISTO	ORS ***
VR1001 VR1201 VR1301 VR1401 VR2001	41505205 41071222 41071213 41071011 41505210	R.VARIABLE B5.0K R.VARIABLE B330K R.VARIABLE B10K R.VARIABLE B4.7K R.VARIABLE B200K
VR2002 VR7201 VR7202 VR7401 VR8001	41505107 410G1210 410G1210 410G1205 410G1222	R,VARIABLE 85K R,VARIABLE B3.3K R,VARIABLE B3.3K R,VARIABLE 8470 R,VARIABLE 8330K
*** REL	AYS & SWITCHE	S ***
RL5501 RL5502 RL5503 RL5504 RL5505	65602521 65602521 65602521 65602521 65602157	RELAY G6C-1114P RELAY G6C-1114P RELAY G6C-1114P RELAY G6C-1114P RELAY
RL8101 RL8102 RL8103 SW1001 S101	65602571 65602571 65602571 653F1038 65313308	RELAY GBE-134P-US.DC12V RELAY GBE-134P-US.DC12V RELAY GBE-134P-US.DC12V PUSH SWITCH PUSH SWITCH BUTTON
\$102 \$103 \$104 \$105 \$106	65361049 65361049 65361049 65361049 65361049	SW.TACT SW.TACT SW.TACT SW.TACT SW.TACT

SYMBOL	PARTS NO	DESCRIPTION
L		
S107 S1401	65361049 65113508	SW.TACT SWITCH,SLIDE
S701 S702	65113270 65113270	SWITCH/SLIDE SWITCH/SLIDE
\$703	65113270	SWITCH, SLIDE
\$7501	65121105	SWITCH, SLIDE
\$801 \$802	65113270 65113270	SWITCH/SLIDE SWITCH/SLIDE
S803 S804	65113270 65113508	SWITCH,SLIDE SWITCH,SLIDE
*** CO	ILS & FILTERS	***
	39603402	FOCUS CONTROL VOLUME
CF7201 DL7201	611A1008 61511048	CERAMIC TRAP DELAY LINE 0.3US
DL7202 DL7203	61EA1638 61EA1639	DELAY LINE 0.1US DELAY LINE 0.25US
F85001	61605005	FERRITE BEADS 5*10*1.8
FB5002 FB5501	61605005 61605008	FERRITE BEADS 5*10*1.8 FERRITE BEADS 3.5*5*1.3
F85502 F85503	61605008	FERRITE BEADS 3.5*5*1.3 FERRITE BEADS 3.5*5*1.3
FL7401	39KB6276	
FL7402	39KB6276	L.P.F 8MHZ TH355LSJ-5728 L.P.F 8MHZ TH355LSJ-5728
FL7403 FL801	39KB6276 616K6814	L.P.F 8MHZ TH355LSJ-5728 NOIZE FILTER
FL802	516K6814	NOIZE FILTER
FL803 FL804	616K6814 616K6814	NOIZE FILTER
FL805 FL806	616K6823 616K6814	NOISE FILTER NOIZE FILTER
FL807	616K6823	NOISE FILTER
1	l .	

FL808 FL809 FL8100 FL8101 FL8102

L1001 L1002 616K6814 616K6814 61605007 61605007

610F7514 610F7514 NOIZE FILTER NOIZE FILTER FERRITE BEADS 2.5*1.2*0.7 FERRITE BEADS 2.5*1.2*0.7 FERRITE BEADS 2.5*1.2*0.7

COIL, FILTER 5.6UH

SYMBOL	PARTS NO	DESCRIPTION
L101 L1010 L1020	610E1743 610F7514 610F7529	COIL,FILTER 1500UH COIL,FILTER 5.6UH COIL,FILTER 100UH
L5001 L5003 L5004 L5005 L5501	610G0233 61099118 61099140 61099140 60917073	FILTER CHOKE PJ8T-470K FILTER COIL COIL, FILTER 100L PI10 COIL, FILTER 100L PI10 COIL, H.LIN
L5502 L5503 L5504 L5505 L7201	60917073 61099126 61099141 61099118 610E1710	COIL,H.LIN COIL,FILTER 330UH COIL,CHOKE FILTER COIL COIL,FILTER 2.7UH
L7202 L7203 L7204 L7205 L7206	610E1727 610E1728 610E1720 610E1725 610E1725	COIL, FILTER 68UH COIL, FILTER 82UH COIL, FILTER 18UH COIL, FILTER 47UH COIL, FILTER 47UH
L7207 .L7208 L7209 L7210 L7211	610E1725 610E1725 610E1725 610E1723 610E1724	COIL, FILTER 47UH COIL, FILTER 47UH COIL, FILTER 47UH COIL, FILTER 39UH COIL, FILTER 39UH
L7212 L7213 L7401 L7402 L7403	610E1725 610E1725 610E1731 610E1733 610E1733	COIL,FILTER 47UH COIL,FILTER 47UH COIL,FILTER 150UH COIL,FILTER 220UH COIL,FILTER 220UH
L7404 L8001 L8101 L8103 L8104	610E1733 610E1705 610E1705 610E1746 610E1705	COIL, FILTER 220UH COIL, FILTER 1.0UH COIL, FILTER 1.0UH COIL, FILTER 0.22UH COIL, FILTER 1.0UH
L8106 L8107 L8109 L901 L902	610E1746 610E1705 610E1746 610E1750 610E1750	COIL,FILTER 0.22UH COIL,FILTER 1.0UH COIL,FILTER 0.22UH COIL,FILTER 0.47UH COIL,FILTER 0.47UH
L903	610E1750	COIL, FILTER 0.47UH

SYMBOL	PARTS NO	DESCRIPTION
	,	
T5503 T5504 T5505 T5506	60917089 60917089 60917089 60917089	COIL, LIN COIL, LIN COIL, LIN
W! DEG X1003 X7203 X7401	61329102 61111015 61111805 61111015	COIL, DEGAUSSING CERAMIC OSC CSB500F2 CERAMIC OSC CSB503F30 CERAMIC OSC CSB500F2
*** PW	B ASSYS ***	
	933D4DA2 933D4DB2 933D4G02 933J2TA2 933J2TB2 933J2F02 933D4H02	DEF PWB ASSY SW-LED PWB ASSY V-CRT PWB ASSY VIDEO I/O PWB ASSY RGB OUT PWB ASSY CPU/OSC PWB ASSY HV PWB ASSY
*** EL	CTRICAL PARTS	& MISCELLANEOUS PARTS **
	31710044	FAN MOTOR

*** ELE	CTRICAL PARTS	& MISCELLANEOUS PARTS ***
	31710044 31710045 63010112 68043001 70810759	FAN MOTOR FAN MOTOR SPEAKER 90*55 16H 5W ALN BATTERY,DRY CELL SUM-3 LINE CORD UC3S L3.0
D.Y FR5501 FR5502	79644641 79644841 48007486 39030098 39030098	RD-346E POWER UNIT DEFLECTION YOKE R.NETWORK 4*4.7K 5% 1/8W R.NETWORK 4*4.7K 5% 1/8W
IC2001	79644661	HV CONTROL UNIT
M701	71123500	BOARD,BNC
M703	70057312	SOCKET.DIN 4P TCS7949
M704	70057008	DIN SOCKET 4P
M705	71123500	BOARD,BNC
M707	70057312	SOCKET,DIN 4P TCS7949
M708	70057008	DIN SOCKET 4P
M709	70051827	JACK,PIN 4P JPJ0918
M710	70051827	JACK,PIN 4P JPJ0918
M711	70051827	JACK,PIN 4P JPJ0918
M721	71199046	PUSH TERMINAL (4P)
M7501	70056200	D-SUB SOCKET (15PIN)
M7502	70056200	D-SUB SOCKET (15PIN)

SYMBOL	PARTS NO	DESCRIPTION
M7503 M7504	70505027 70505027	HEADPHONE JACK HEADPHONE JACK
M801 M802 M803 SG/CRT SG5001	70056200 70056475 71123501 70032272 66706003	D-SUB SOCKET (15PIN) CONNECTOR, D-SUB BOARD, BNC SG/CRT SOCKET SPARK GAP 2.CKV
SG901 SG902 SG903 SG904 SG905	66706001 66706001 66706001 66706001	SPARK GAP 1.2KV SPARK GAP 1.2KV SPARK GAP 1.2KV SPARK GAP 1.2KV SPARK GAP 1.2KV
SK1004 SK1006 SK1010 X1001 X1002	70102924 70102141 70102924 64098039 640J9218	SOCKET, IC 64P SOCKET, IC 8P SOCKET, IC 64P X'TAL (10.000MHZ) X'TAL OSC 9.8304MHZ
X7201 X7202 X7402 X7403	64003027 64003022 64099203 64099202	X'TAL 4.43MHZ(NDK) X'TAL OSC 3.58MHZ X'TAL OSC 14.318MHZ X'TAL OSC 17.73MHZ(KDS)
*** AP	PEARANCE PART	S ***
	70301534 70301536 70301537 24B15751	RUBBER WEDGE FERRITE SHEET FERRITE SHEET(60MM) LED SPACER(H95)
	24C00111 24DT6451 24DT6171 24D08453 24D10121	CLAMPER, WIRE (D15) FRONT CABINET ASSY BACK COVER ASSY CABINET FRONT PANEL
	24D10131 24F25001 24F25011 24F25021 24F27761	BACK COVER ADHESIVE PIECE A ADHESIVE PIECE B ADHESIVE PIECE C INDICATOR (POW)
	24F27801 24F27931 24GT1381 24G04461 24G04471	HANDLE CHASSIS BASE BUTTON (POW) ASSY BUTTON (CTL) BUTTON (POW)
SYMBOL	PARTS NO	DESCRIPTION
	24H25771 24H25781 24H25791 24H25791 24J06871 24J07371	SIDE FRAME(R) SIDE FRAME(L) BACK FRAME RUBBER FOOT A CUSHION SHEET(17*140*0.5)
	24J07382 24J07442	CUSHION SHEET (90*22*0.35) SHEET (FRONT)

SYMBOL	PARIS NO	DESCRIPTION
	24H25771 24H25781 24H25791 24J06871 24J07371 24J07382 24J07442 24J12321 24K23081 24K23081 24L37311	SIDE FRAME(R) SIDE FRAME(L) BACK FRAME RUBBER FOOT A CUSHION SHEET(17*140*0.5) CUSHION SHEET(90*22*0.35) SHEET (FRONT) CUSHION(30*27*T17) INLAY(TERMINAL) INLAY(SENSOR) SPEC PLATE
*** PR	NTED & PACKIN	IG MATERIALS ***
	24806961 24813191 24MU1071 24MU1081 24MU1911 24M09081 78408132	BAG, POLYETHYLENE (270*370) BAG, POLYETHYLENE (150*370) SPACER(T) SPACER(B) CARTON BOX BAG, PROTECTION USER'S MANUAL
*** RES	SISTORS ***	
R1150 R1170 R1171 R1172 R1188	401G6109 40178135 40178135 40178135 40372137	R.CARBON 2.2H 5% 1/4W R.CARBON 27H 5% R.CARBON 27H 5% R.CARBON 27H 5% R.CARBON 27H 5% R.METAL 33H 5% 2W
R1210 R1211	401H5661 401G6109	R,CARBON 330H 5% 1/2W R,CARBON 2.2H 5% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
R1234	401G6109	R,CARBON 2.2H 5% 1/4W
R1239	40178133	R,CARBON 22H 5% 1/2W
R1295	40373143	R,METAL 56H 5% 3W
R1308	40373107	R,METAL 1.8H 5% 3W
R1309	40166141	R,CARBON 47H 5% 1/4W
R1426	40372169	R,CMETAL 68OH 5% 2W
R1427	40371101	R,METAL 1.0H 5% 1W
R1428	404C1717	R,METAL 68K 1% 1/6W
R1429	401H5721	R.CARBON 100K 5% 1/2W
R1430	40372157	R.METAL 220H 5% 2W
R2001	404C1742	R.METAL 750K 1% 1/6W
R2002	404C1725	R.METAL 150K 1% 1/6W
R2004	401K5683	R.CARBON 2.7K 5% 1/6W
R2005	401K5697	R.CARBON 10K 5% 1/6W
R2006	404C1696	R.METAL 9.1K 1% 1/6W
R2007	404C1697	R.METAL 10K 1% 1/6W
R2008	404C1721	R.METAL 100K 1% 1/6W
R2009	401K5709	R.CARBON 33K 5% 1/6W
R2010 R2011 R2012 R2013 R2014	404C1711 404C1677 404C1697 401K5721 401K5697	R,METAL 39K 1% 1/6W R,METAL 1.5K 1% 1/6W R,METAL 10K 1% 1/6W R,METAL 10K 1% 1/6W R,CARBON 100K 5% 1/6W R,CARBON 10K 5% 1/6W
R5001	40106695	R,CARBON 8.2K 5% 1/4W
R5002	401K5693	R,CARBON 6.8K 5% 1/6W
R5003	401G6125	R,CARBON 10H 5% 1/4W
R5004	401C6685	R,CARBON 3.3K 5% 1/4W
R5005	401K5649	R,CARBON 10DH 5% 1/6W
R5006	401K5633	R.CARBON 22H 5% 1/6W
R5007	401K5633	R.CARBON 22H 5% 1/6W
R5008	401K5633	R.CARBON 22H 5% 1/6W
R5009	401K5633	R.CARBON 22H 5% 1/6W
R5010	401K5633	R.CARBON 22H 5% 1/6W
R5011	401K5633	R,CARBON 22H 5% 1/6W
R5012	401K5633	R,CARBON 22H 5% 1/6W
R5013	40371103	R,METAL 12H 5% 1/W
R5014	404KB718	R,METAL 75K 1% 1/4W
R5015	401K5609	R,CARBON 2.2H 5% 1/6W
R5016	404KB718	R.METAL 75K 1% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
R5017	401C6641	R,CARBON 47H 5% 1/4W
R5018	404C1697	R,METAL 10K 1% 1/6W
R5019	401K5673	R,CARBON 1.0K 5% 1/6W
R5020	401K5673	R,CARBON 1.0K 5% 1/6W
R5021	401K5709	R.CARBON 33K 5% 1/6W
R5022	401K5721	R.CARBON 100K 5% 1/6W
R5023	401K5721	R.CARBON 100K 5% 1/6W
R5024	401K5709	R.CARBON 33K 5% 1/6W
R5025	401K5721	R.CARBON 10DK 5% 1/6W
R5026	401K5721	R,CARBON 100K 5% 1/6W
R5027	401K5709	R,CARBON 33K 5% 1/6W
R5028	401K5715	R,CARBON 56K 5% 1/6W
R5029	401K5633	R,CARBON 22H 5% 1/6W
R5030	401K5697	R,CARBON 10K 5% 1/6W
R5031	401C6633	R,CARBON 22H 5% 1/4W
R5034	401K5697	R,CARBON 10K 5% 1/6W
R5035	401K5701	R,CARBON 15K 5% 1/6W
R5036	401K5697	R,CARBON 10K 5% 1/6W
R5038	401K5699	R,CARBON 12K 5% 1/6W
R5039	401K5673	R.CARBON 1.0K 5% 1/6W
R5040	401K5673	R.CARBON 1.0K 5% 1/6W
R5041	401K5709	R.CARBON 33K 5% 1/6W
R5042	40371337	R.METAL 0.47H 5% 1W
R5043	401K5685	R.CARBON 3.3K 5% 1/6W
R5044	401H5725	R,CARBON 150K 5% 1/2W
R5045	401C6633	R,CARBON 22H 5% 1/4W
R5046	40372333	R,METAL 0.33H 5% 2W
R5047	40372333	R,METAL 0.33H 5% 2W
R5051	40372333	R,CARBON 15K 5% 1/6W
R5055	401G6101	R.CARBON 1.0H 5% 1/4W
R5057	401K5697	R.CARBON 10K 5% 1/6W
R5058	401K5597	R.CARBON 10K 5% 1/6W
R5059	401K5697	R.CARBON 10K 5% 1/6W
R5060	401K5673	R.CARBON 1.0K 5% 1/6W
R5061	404C1693	R,METAL 6.8K 1% 1/6W
R5062	40373151	R.METAL 120H 5% 3W
R5063	40373151	R.METAL 120H 5% 3W
R5064	404K2721	R.METAL 10OK 5% 1/4W
R5065	40166133	R.CARBON 22H 5% 1/4W
R5068	401K5697	R, CARBON 10K 5% 1/6W

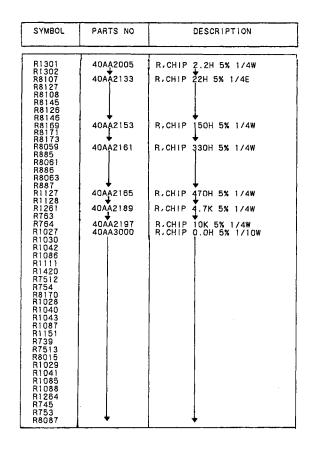
SYMBOL	PARTS NO	DESCRIPTION
R5069	401H5721	R.CARBON 100K 5% 1/2W
R5070	40372185	R.METAL 3.3K 5% 2W
R5071	40371141	R.METAL 47H 5% 1W
R5072	40371141	R.METAL 47H 5% 1W
R5073	404CA657	R,METAL 220H 1% 1/6W
R5074	401C6693	R,CARBON 6.8K 5% 1/4W
R5075	40372213	R,METAL 47K 5% 2W
R5076	401K5729	R,CARBON 220K 5% 1/6W
R5077	404C1671	R,METAL 820H 1% 1/6W
R5078	404K2713	R.METAL 47K 1% 1/4W
R5079	404K2713	R.METAL 47K 1% 1/4W
R5080	401G6173	R.CARBON 1.OK 5% 1/4W
R5081	404C1721	R.METAL 100K 1% 1/6W
R5082	404C1697	R.METAL 10K 1% 1/6W
R5083	40083677	R,SOLID 1.5K 5% 1/2W
R5084	401K5697	R,CARBON 10K 5% 1/6W
R5086	401G6149	R,CARBON 10GH 5% 1/4W
R5089	401K5697	R,CARBON 10K 5% 1/6W
R5090	40371211	R,METAL 39K 5% 1W
R5092	401K5673	R,CARBON 1.0K 5% 1/6W
R5093	40371161	R.METAL 330H 5% 1W
R5096	401K5641	R.CARBON 47H 5% 1/6W
R5098	401C6633	R.CARBON 22H 5% 1/4W
R5099	401C6633	R.CARBON 22H 5% 1/4W
R5100	404C1721	R.METAL 100K 1% 1/6W
R5101	40224267	R.WIRE 560H 5% 7W
R5102	40224267	R.WIRE 560H 5% 7W
R5103	40224239	R.WIRE 39H 5% 7W
R5105	40224245	R.WIRE 68H 5% 7W
R5106	40224239	R.WIRE 39H 5% 7W
R5107	40224239	R.WIRE 39H 5% 7W
R5108	40224239	R.WIRE 39H 5% 7W
R5109	401K5689	R.CARBON 4.7K 5% 1/6W
R5110	40371189	R.METAL 4.7K 5% 1W
R5111	40373203	R.METAL 18K 5% 3W
R5112	40373197	R.METAL 10K 5% 3W
R5113	404C1729	R.METAL 22OK 1% 1/6W
R5114	404C1703	R.METAL 18K 1% 1/6W
R5115	404C1679	R.METAL 1.8K 1% 1/6W
R5116	404C1719	R.METAL 82K 1% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R5117	401K5697	R.CARBON 10K 5% 1/6W
R5118	401K5697	R.CARBON 10K 5% 1/6W
R5119	401K5697	R.CARBON 10K 5% 1/6W
R5120	401K5697	R.CARBON 10K 5% 1/6W
R5121 R5122 R5123 R5124 R5125	404C1697 404C1687 404C1669 401K5665 40372213	R.METAL 10K 1% 1/6W R.METAL 3.9K 1% 1/6W R.METAL 680H 1% 1/6W R.CARBON 470H 5% 1/6W R.CARBON 470H 5% 1/6W R.METAL 47K 5% 2W
R5126	404C1655	R,METAL 180H 1% 1/6W
R5128	40372185	R,METAL 3.3K 5% 2W
R5129	401K5643	R,CARBON 56H 5% 1/6W
R5130	40175149	R,CARBON 100H 5% 1/4W
R5131	401K5665	R,CARBON 470H 5% 1/6W
R5132	401K5641	R,CARBON 47H 5% 1/6W
R5502	404C1697	R.METAL 10K 1% 1/6W
R5503	404C1691	R.METAL 5.6K 1% 1/6W
R5506	404C1697	R.METAL 10K 1% 1/6W
R5507	401K5713	R.CARBON 47K 5% 1/6W
R5508	401K5691	R,CARBON 5.6K 5% 1/6W
R5509	401C6733	R,CARBON 330K 5% 1/4W
R5510	401K5689	R,CARBON 4.7K 5% 1/6W
R5511	401K5699	R,CARBON 12K 5% 1/6W
R5512	401K5673	R,CARBON 1.0K 5% 1/6W
R5513	401H5677	R.CARBON 1.5K 5% 1/2W
R5514	40373199	R.METAL 12K 5% 3W
R5515	401K5673	R.CARBON 1.0K 5% 1/6W
R5516	401K5681	R.CARBON 2.2K 5% 1/6W
R5517	401K5693	R.CARBON 6.5K 5% 1/6W
R5518	401K5693	R,CARBON 6.8K 5% 1/6W
R5519	40371197	R,METAL 10K 5% 1W
R5520	401K5735	R,CARBON 39OK 5% 1/6W
R5521	40373155	R,METAL 180H 5% 3W
R5522	40373155	R,METAL 180H 5% 3W
R5523	40373155	R,METAL 180H 5% 3W
R5524	40373181	R,METAL 2.2K 5% 3W
R5525	40373181	R,METAL 2.2K 5% 3W
R5526	401G6109	R,CARBON 2.2H 5% 1/4W
R5527	40373111	R,CARBON 2.7H 5% 3W
R5528	40373111	R.METAL 2.7H 5% 3W

SYMBOL	PARTS NO	DESCRIPTION
R5529	40373111	R,METAL 2.7H 5% 3W
R5530	401K5633	R,CARBON 22H 5% 1/6W
R5531	401G6109	R,CARBON 2.2H 5% 1/4W
R5532	401G6109	R,CARBON 2.2H 5% 1/4W
R5533	401H5681	R,CARBON 2.2K 5% 1/2W
R5534	40372137	R,METAL 33H 5% 2W
R5536	401K5713	R,CARBON 47K 5% 1/6W
R5537	401K5713	R,CARBON 47K 5% 1/6W
R5538	401K5697	R,CARBON 10K 5% 1/6W
R5539	401K5705	R,CARBON 22K 5% 1/6W
R5540	401K5697	R,CARBON 10K 5% 1/6W
R5541	401K5697	R,CARBON 10K 5% 1/6W
R5542	401K5705	R,CARBON 22K 5% 1/6W
R5543	401K5701	R,CARBON 15K 5% 1/6W
R5544	401K5701	R.CARBON 15K 5% 1/6W
R5545	401K5701	R.CARBON 15K 5% 1/6W
R5546	401K5701	R.CARBON 15K 5% 1/6W
R5547	401K5701	R.CARBON 15K 5% 1/6W
R5548	401K5697	R.CARBON 10K 5% 1/6W
R5549	401K5701	R.CARBON 15K 5% 1/6W
R5550	401K5701	R.CARBON 15K 5% 1/6W
R5553	401K5655	R.CARBON 180H 5% 1/6W
R5554	401K5655	R.CARBON 180H 5% 1/6W
R5556	401K5655	R.METAL 1.0K 5% 2W
R5557	40372159	R,METAL 270H 5% 2W
R5558	40372159	R,METAL 270H 5% 2W
R5559	40372159	R,METAL 47H 5% 1W
R5560	40371141	R,METAL 47H 5% 1W
R5561	40371141	R,METAL 47H 5% 1W
R5562	40371141	R.METAL 47H 5% 1W
R5569	404C1734	R.METAL 360K 1% 1/6W
R5570	404C1721	R.METAL 100K 1% 1/6W
R5571	404C1726	R.METAL 160K 1% 1/6W
R5574	401K5693	R.GARBON 6.8K 5% 1/6W
R5575 R5577 R5578 R5578 R5580 R5581B	404C1732 404C1713 404C1743 401K5693 401KE649	R.METAL 300K 1% 1/6W R.METAL 47K 1% 1/6W R.METAL 820K 1% 1/6W R.CARBON 6 8K 5% 1/6W R.CARBON 100H 5% 1/6W
R5582	401K5649	R, CARBON 100H 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R8005	40372135	R,METAL 27H 5% 2W
R8035	40371163	R,METAL 390H 5% 1W
R805	40178159	R,CARBON 270H 5% 1/2W
R806	40405109	R,METAL 2.2H 5% 1/4W
R8103	40371139	R,METAL 39H 5% 1W
R8111	401H5661	R,CARBON 33GH 5% 1/2W
R8112	40224189	R,WIRE 4.7K 5% 5W
R8113	40224191	R,WIRE 5.6K 5% 5W
R8114	40224192	R,WIRE 6.2K 5% 5W
R8115	40224285	R,WIRE 3.3K 5% 7W
R8116	40224285	R,WIRE 3.3K 5% 7W
R8117	40224285	R,WIRE 3.3K 5% 7W
R8122	40371139	R,METAL 39H 5% 1W
R8130	401H5661	R,CARBON 330H 5% 1/2W
R8131	40224189	R.WIRE 4.7K 5% 5W
R8132	40224191	R.WIRE 5.6K 5% 5W
R8133	40224192	R.WIRE 6.2K 5% 5W
R8134	40224285	R.WIRE 3.2K 5% 7W
R8135	40224285	R.WIRE 3.3K 5% 7W
R8136	40224285	R,WIRE 3.3K 5% 7W
R8141	40371139	R,METAL 39H 5% 1W
R8149	401H5661	R,CARBON 33OH 5% 1/2W
R8150	40224189	R,WIRE 4.7K 5% 5W
R8151	40224191	R,WIRE 5.6K 5% 5W
R8152 R8153 R8154 R8155 R863	40224192 40224285 40224285 40224285 40405125	R,WIRE 6.2K 5% 5W R,WIRE 3.3K 5% 7W R,WIRE 3.3K 5% 7W R,WIRE 3.3K 5% 7W R,WIRE 3.3K 5% 7W R,MIRE 3.3K 5% 1/4W
R865	40405109	R,METAL 2.2H 5% 1/4W
R901	401H5649	R,CARBON 100H 5% 1/2W
R902	401H5673	R,CARBON 1.0K 5% 1/2W
R903	401H5649	R,CARBON 1.0K 5% 1/2W
R904	401H5673	R,CARBON 1.0K 5% 1/2W
R905	401H5649	R.CARBON 100H 5% 1/2W
R906	401H5673	R.CARBON 1.0K 5% 1/2W
R907	401H5673	R.CARBON 1.0K 5% 1/2W
R908	401H5721	R.CARBON 100K 5% 1/2W

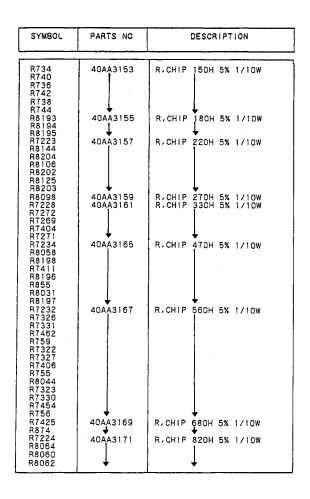
SYMBOL	PARTS NO	DESCRIPTION
R5583	401K5649	R,CARBON 100H 5% 1/6W
R5584	401K5649	R,CARBON 100H 5% 1/6W
R5585	401K5649	R,CARBON 100H 5% 1/6W
R5586	401K5649	R,CARBON 100H 5% 1/6W
R5587	401K5649	R.CARBON 100H 5% 1/6W
R5588	401K5683	R.CARBON 2.7K 5% 1/6W
R5589	401K5649	R.CARBON 100H 5% 1/6W
R5590	401G6137	R.CARBON 33H 5% 1/4W
R5591	401K5713	R.CARBON 47K 5% 1/6W
R5592 R5593 R5594 R5596 R5597	401K5713 401K5713 401K5713 401K5713 401G6109 40371155	R.CARBON 47K 5% 1/6W R.CARBON 47K 5% 1/6W R.CARBON 47K 5% 1/6W R.CARBON 2.2H 5% 1/4W R.METAL 180H 5% 1W
R5598	401K5633	R.CARBON 22H 5% 1/6W
R5599	401K5633	R.CARBON 22H 5% 1/6W
R5600	401K5633	R.CARBON 22H 5% 1/6W
R5604	40372137	R.METAL 33H 5% 2W
R5605	40372137	R.CARBON 1.0K 5% 1/2W
R5607	401K5625	R,CARBON 10H 5% 1/6W
R5608	401K5625	R,CARBON 10H 5% 1/6W
R5609	401K5679	R,CARBON 1.8K 5% 1/4W
R5610	404C1707	R,METAL 27K 1% 1/5W
R5618	40373333	R,METAL 0.33H 5% 3W
R5640	401K5743	R.CARBON 820K 5% 1/6W
R5641	401K5743	R.CARBON 820K 5% 1/6W
R5642	401K5743	R.CARBON 820K 5% 1/6W
R5643	401K5743	R.CARBON 820K 5% 1/6W
R5644	401K5743	R.CARBON 820K 5% 1/6W
R5645	401K5743	R.CARBON 820K 5% 1/6W
R5646	401K5743	R.CARBON 820K 5% 1/6W
R7308B	401K5690	R.CARBON 5.1K 5% 1/6W
R7310	40371155	R.METAL 180H 5% 1W
R7340	40372143	R.METAL 56H 5% 2W
R7341	40372143	R,METAL 56H 5% 2W
R7342	40372131	R.METAL 18H 5% 2W
R7343	40372131	R.METAL 18H 5% 2W
R7506	40405109	R.METAL 2.2H 5% 1/4W
R769	40371117	R.METAL 4.7H 5% 1W
R8004	40372135	R.METAL 27H 5% 2W



SYMBOL	PARTS NO	DESCRIPTION
R7424 R844 R838	40AA3125	R,CHIP 10H 5% 1/10W
8841 R7209 R7209 R7333 R757 R8104 R8205 R7325 R7468 R7325 R7468 R8123 R81237 R7469 R7469 R7469 R7469 R8142 R8142 R8142 R8207	40AA3133	R,CHIP 22H 5% 1/10W
R859 R859 R8596 R8360 R8861 R861 R895 R895 R898 R7437 R893 R894	40AA3143 40AA3146	R,CHIP 56H 5% 1/10W R,CHIP 75H 5% 1/10W

SYMBOL	PARTS NO	DESCRIPTION
R7505 R7515 R7515 R7515 R75120 R7523 R8047 R8047 R8404 R8454 R8454 R8454 R8558 R910845 R11000 R11100 R11113 R11116 R11116 R11116 R11116 R11117 R11116 R11117 R11116 R11117		

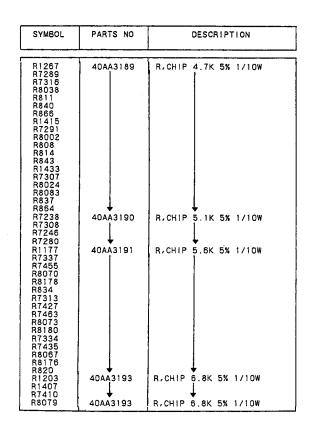
SYMBOL	PARTS NO	DESCRIPTION
R10993 R10996 R11098 R11098 R11098 R11114 R1111218 R1111218 R111218 R112	40AA3149	R,CHIP 100H 5% 1/10W



SYMBOL	PARTS NO	DESCRIPTION
### ### ### ### ### ### ### ### ### ##	40AA3173	R, CHIP 910H 5% 1/10W R, CHIP 1.0K 5% 1/10W

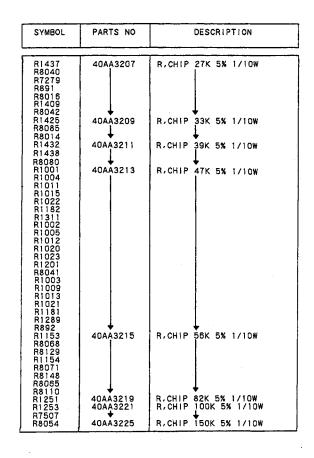
SYMBOL	PARTS NO	DESCRIPTION
R1263 R7309 R1265 R8086 R1403	40AA3181	R.CHIP 2.2K 5% 1/10W
R8159 R1303 R1305	40AA3183	R,CHIP 2.7K 5% 1/10W
RT12762 1762 17242659 17242659 17242659 1725 1725 1725 1725 1725 1725 1725 1725	40AA3185	R.CHIP 3.3K 5% 1/10W
R1230 R8069 R8096 R1304 R8072 R8066	40AA3187	R,CHIP 3.9K 5% 1/10W

SYMBOL	PARTS NO	DESCRIPTION
R1090 R1103 R1103 R1107 R1117 R1125 R1131 R1134 R1238 R7235 R72367 R7285 R7286 R7286 R7285 R7286 R7286 R7286 R735 R7409 R8021 R8021 R8039 R8082 R8045 R8081 R8081	40AA3173	R.CHIP 1.0K 5% 1/10W
R867 R1215 R7429 R876 R7471 R873	40AA3175 40AA3177	R,CHIP 1.2K 5% 1/10W R,CHIP 1.5K 5% 1/10W
R1173 R11249 R1174 R7335 R1175 R7338 R7241 R7290 R7293	40AA3179 40AA3180	R,CHIP 1.8K 5% 1/10W



SYMBOL	PARTS NO	DESCRIPTION
R1189 R7430 R8012 R8093 R8179 R1416 R8010 R8091 R8175 R1419 R8011 R8092	40AA3199	R.CHIP 12K 5% 1/10W
R8177 R1180 R7408 R1227 R8003 R1405	40AA3201	R.CHIP 15K 5% 1/10W
R80056 R80056 R812440 R11271 R11271 R12717 R1281 R1281 R1285 R1307 R11402 R12775 R12775 R12775 R12775 R12775 R12775 R12775 R12776 R127776 R12776 R12776 R12776 R12776 R12776 R12776 R12776 R12776 R127776 R12	40AA3201 40AA3203 40AA3205	R,CHIP 15K 5% 1/10W R,CHIP 18K 5% 1/10W R,CHIP 22K 5% 1/10W

SYMBOL	PARTS NO	DESCRIPTION	
319938375988 414229388375988 417222601774450399788 7177744503997888 717777777777777777777777777777777			



SYMBOL	PARTS NO	DESCRIPTION
R7199 R7199 R71933 R77626 R88196 R877626 R88196 R77313 R776172 R776172 R776172 R776172 R77668 R77437 R77668 R77437 R77668 R77431 R77668 R88192 R88128 R772277 R78227 R772277 R78227 R78223 R7823 R7823 R7823 R7823 R7823 R7823 R7823 R7823 R7823 R7823 R7823	40AA3229 40AA3233 40AA3243 40AA3245 40AA3257 40AB2146	R, CHIP 220K 5% 1/10W R, CHIP 330K 5% 1/10W R, CHIP 1.0M 5% 1/10W R, CHIP 3.3M 5% 1/10W R, CHIP 75H 1% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
R1408 R1235	40AB3199 40AB3201	R,CHIP 12K 1% 1/10W R,CHIP 15K 1% 1/10W R,CHIP 18K 1% 1/10W
R1232 R7312 R1241 R1242	40AB3203 40AB3205	R,CHIP 22K 1% 1/10W
R1250 R1252 R7311	40AB3209 40AB3211 40AB3217	R.CHIP 33K 1% 1/10W R.CHIP 39K 1% 1/10W R.CHIP 68K 1% 1/10W
R1213 R1155	40AB3220 40AB3231	R,CHIP 91K 1% 1/10W R,CHIP 270K 1% 1/10W

SYMBOL	PARTS NO	DESCRIPTION
R701 R716 R702 R717	40AB3146	R,CHIP 75H 1% 1/10W
R703 R718 R7450 R7458	40AB3157	R,CHIP 220H 1% 1/10W
R7240 R7239	40AB3159	R.CHIP 270H 1% 1/10W
R7244 R7243 R7434	40AB3165 40AB3167	R, CHIP 470H 1% 1/10W R, CHIP 560H 1% 1/10W
R1212 R8046 R8050	40AB3170 40AB3172	R,CHIP 750H 1% 1/10W R,CHIP 910H 1% 1/10W
R8053 R1246 R7248	40AB3173	R, CHIP .OK 1% 1/10W
R7251 R7225 R7439 R7249	40AB3175	R.CHIP 1.2K 1% 1/10W
R7446 R7252 R7226 R7467 R7448	40AB3177	R/CHIP 1.5K 1% 1/10W
R7449 R8023 R7445	40AB3181 40AB3185	R,CHIP 2.2K 1% 1/10W R,CHIP 3.3K 1% 1/10W
R7447 R1222 R1233	40AB3187	R,CHIP 3.9K 1% 1/10W
R7281 R8199 R8200	40AB3188	R.CHIP 4.3K 1% 1/10W
R8201 R7438 R1152 R1292 R1237 R1217 R1218	40AB3189 40AB3191 40AB3193 40AB3193 40AB3195 40AB3197	R,CHIP 4.7K 1% 1/10W R,CHIP 5.6K 1% 1/10W R,CHIP 6.8K 1% 1/10W R,CHIP 8.2K 1% 1/10W R,CHIP 10K 1% 1/10W
R1218 R1266	↓	1

SYMBOL	PARTS NO	DESCRIPTION	
*** CAF	*** CAPACITORS ***		
C1003	42AA2726	C,CERAMIC 50V 0.01UF	
C1004	42CA1416	C,CERAMIC 50V 10PF	
C1005	42CA1416	C,CERAMIC 50V 10PF	
C1007	42AA2726	C,CERAMIC 50V 0.01UF	
C1008	430B9032	C,ELEC 16V 470UF	
C1009	42AA2726	C,CERAMIC 50V 0.01UF	
C101	430C0047	C,ELEC 16V 47UF	
C1010	42AA2726	C,CERAMIC 50V 0.01UF	
C1011	42AA2726	C,CERAMIC 50V 0.01UF	
C1012	42AA2726	C,CERAMIC 50V 0.01UF	
C1013	42AA2726	C,CERAMIC 50V 0.01UF	
C1014	42CA1432	C,CERAMIC 50V 47PF	
C1020	42CA1416	C,CERAMIC 50V 10PF	
C1021	42CA1416	C,CERAMIC 50V 10PF	
C1023	42AA2726	C,CERAMIC 50V 0.01UF	
C1024	42AA2726	C,CERAMIC 50V 0.01UF	
C1025	42AA2726	C,CERAMIC 50V 0.01UF	
C1026	42AA2726	C,CERAMIC 50V 0.01UF	
C1027	430B9025	C,ELEC 16V 10UF	
C1028	430B9025	C,ELEC 16V 10UF	
C1029	430B9025	C,ELEC 16V 10UF	
C1030	430B9025	C,ELEC 16V 10UF	
C1031	42AA2726	C,CERAMIC 50V 0.01UF	
C1032	42AA2726	C,CERAMIC 50V 0.01UF	
C1050	42AA2726	C,CERAMIC 50V 0.01UF	
C1051	42AA2726	C,CERAMIC 50V 0.01UF	
C1053	42CA1432	C,CERAMIC 50V 47PF	
C1054	42CA1432	C,CERAMIC 50V 47PF	
C1059	42CA1432	C,CERAMIC 50V 47PF	
C1060	42CA1432	C,CERAMIC 50V 47PF	
C1061	42CA1432	C,CERAMIC 50V 47PF	
C1062	42CA1432	C,CERAMIC 50V 47PF	
C1063	42CA1432	C,CERAMIC 50V 47PF	
C1064	42CA1432	C,CERAMIC 50V 47PF	
C1065	42CA1432	C,CERAMIC 50V 47PF	
C1066	42CA1432	C.CERAMIC 50V 47PF	
C1067	42CA1432	C.CERAMIC 50V 47PF	
C1068	42CA1432	C.CERAMIC 50V 47PF	

SYMBOL	PARTS NO	DESCRIPTION
C1071	42CA1432	C,CERAMIC 50V 47PF
C1072	42CA1432	C,CERAMIC 50V 47PF
C1073	42CA1432	C.CERAMIC 50V 47PF
C1074	42CA1432	C.CERAMIC 50V 47PF
C1075	42AA2726	C.CERAMIC 50V 0.01UF
C1076	42AA2726	C.CERAMIC 50V 0.01UF
C1077	42AA2726	C.CERAMIC 50V 0.01UF
C1078	42AA2726	C,CERAMIC 50V 0.01UF
C1079	42CA1432	C,CERAMIC 50V 47PF
C1080	42CA1432	C,CERAMIC 50V 47PF
C1081	42AA2726	C,CERAMIC 50V 0.01UF
C1082	42AA2726	C,CERAMIC 50V 0.01UF
C1083	42AA2726	C,CERAMIC 50V 0.01UF
C1086	42CA1432	C,CERAMIC 50V 47PF
C1087	42CA1432	C,CERAMIC 50V 47PF
C1088	42CA1432	C,CERAMIC 50V 47PF
C1089	42CA1432	C,CERAMIC 50V 47PF
C1090	42CA1432	C,CERAMIC 50V 47PF
C1091	42CA1432	C,CERAMIC 50V 47PF
C1092	42CA1432	C,CERAMIC 50V 47PF
C1093	42CA1432	C,CERAMIC 50V 47PF
C1094	42CA1432	C,CERAMIC 50V 47PF
C1095	42CA1432	C.CERAMIC 50V 47PF
C1097	430C0244	C.ELEC 16V 47UF
C1099	42AA2726	C.CERAMIC 50V 0.01UF
C1100	42CA1432	C.CERAMIC 50V 47PF
C1101	42CA1432	C.CERAMIC 50V 47PF
C1102	42CA1432	C,CERAMIC 50V 47PF
C1103	42CA1432	C,CERAMIC 50V 47PF
C1104	42CA1432	C,CERAMIC 50V 47PF
C1105	42CA1432	C,CERAMIC 50V 47PF
C1106	42CA1432	C,CERAMIC 50V 47PF
C1107	42CA1432	C,CERAMIC 50V 47PF
C1108	42CA1432	C,CERAMIC 50V 47PF
C1109	42CA1432	C,CERAMIC 50V 47PF
C1110	42CA1432	C,CERAMIC 50V 47PF
C1111	42CA1432	C,CERAMIC 50V 47PF
C1112 C1113	42CA1432 42CA1432	C,CERAMIC 50V 47PF

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SYMBOL	PARTS NO	DESCRIPTION
	Υ	T
C1114	42CA1432	C.CERAMIC 50V 47PF
C1115	42CA1432	C.CERAMIC 50V 47PF
C1139	430B9029	C.ELEC 16V 100UF
C1140	430B9045	C.ELEC 25V 470UF
C1141	430B9045	C.ELEC 25V 470UF
C1142	430B9045	C.ELEC 25V 470UF
C1145	430B9057	C.ELEC 35V 470UF
C1146	42AA2726	C.CECEC 35V 470UF
C1147	430B9045	C,ELEC 25V 470UF
C1148	430B9057	C,ELEC 35V 470UF
C1149	42AA2726	C,CERAMIC 50V 0.01UF
C1150	42AA2726	C,CERAMIC 50V 0.01UF
C1151	430B9054	C,ELEC 35V 100UF
C1152	43089045	C.ELEC 25V 470UF
C1153	42AA2726	C.CERAMIC 50V 0.01UF
C1154	43089042	C.ELEC 25V 100UF
C1155	42AA2726	C.CERAMIC 50V 0.01UF
C1157	43089032	C.ELEC 16V 470UF
C1158	42AA2726	C,CERAMIC 50V 0.01UF
C1159	430B9042	C,ELEC 25V 100UF
C1160	42AA2726	C,CERAMIC 50V 0.01UF
C1161	430B9029	C,CLEC 16V 100UF
C1162	42AA2726	C,CERAMIC 50V 0.01UF
C1163 C1164 C1165 C1166 C1167	42CA1432 42CA1432 42CA1432 42CA1432 42AA2726 430CO244	C.CERAMIC 50V 47PF C.CERAMIC 50V 47PF C.CERAMIC 50V 47PF C.CERAMIC 50V 0.01UF C.ELEC 16V 47UF
C1180 C1181 C1182 C1183 C11.84	430B9062 430B9062 430B9062 42CA1464 42CA1464	C,ELEC 50V 2.2UF C,ELEC 50V 2.2UF C,ELEC 50V 2.2UF C,ELEC 50V 2.2UF C,CERAMIC 50V 1000PF C,CERAMIC 50V 1000PF
C1185	430B9038	C,ELEC 25V 10UF
C1186	42AA2726	C,CERAMIC 50V 0.01UF
C1187	427F4611	C,FILM 50V 6800PF
C1188	430B9038	C,ELEC 25V 10UF
C1189	42AA2721	C,CERAMIC 50V 0.1UF
C1190	427F4611	C.FILM 50V 6800PF

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SYMBOL	PARTS NO	DESCRIPTION
C1191	427F4619	C,FILM 50V 0.033UF
C1192	428B3019	C,METAL FILM 50V 0.33UF
C1193	430B9039	C,ELEC 25V 22UF
C1194	42AA2726	C,CERAMIC 50V 0.01UF
C1195	430B9029	C,ELEC 16V 100UF
C1196	42CA1452	C,CHIP 50V 330PF
C1197	427F4601	C,FILM 50V 1000PF
C1199	428B3018	C,METAL FILM 50V 0.27UF
C1200	430B9041	C,ELEC 25V 47UF
C1201	427F4625	C,FILM 50V 0.1UF
C1203	42AA2721	C,CERAMIC 50V 0.1UF
C1204	42AA2721	C,CERAMIC 50V 0.1UF
C1205	42CA1464	C,CERAMIC 50V 1000PF
C1206	42AA2726	C,CERAMIC 50V 0.01UF
C1207	43089042	C,ELEC 25V 100UF
C1208	42CA1456	C,CERAMIC 50V 470PF
C1209	43089037	C,ELEC 25V 4.7UF
C1210	42883021	C,METAL FILM 50V 0.47UF
C1211	42883013	C,METAL FILM 50V 0.1UF
C1212	433A4059	C.ELEC 50V 10UF
C1213	428B3015	C.METAL FILM 50V 0.15UF
C1214	42AA2721	C.CERAMIC 50V 0.1UF
C1215	433A7045	C.ELEC 50V 4.7UF
C1218	430B9053	C.ELEC 35V 47UF
C1225	430B9032	C.ELEC 16V 470UF
C1230	42CA1438	C.CERAMIC 50V 82PF
C1301	430B9032	C.ELEC 16V 470UF
C1302	430B9032	C.ELEC 16V 470UF
C1303	427F4675	C.FILM 50V 0.1UF
C1304	430B9054	C.ELEC 35V 100UF
C1305	430B9053	C.ELEC 35V 47UF
C1306	427F4675	C.FILM 50V 0.1UF
C1307	433A7045	C.ELEC 50V 4.7UF
C1308	430B9053	C.ELEC 35V 47UF
C1309	433A7045	C,ELEC 50V 4.7UF
C1310	427F4609	C,FILM 50V 4700PF
C1311	427F4609	C,FILM 50V 4700PF
C1312	433A7045	C,ELEC 50V 4.7UF
C1313	433A7045	C,ELEC 50V 4.7UF
C1314	430B9037	C.ELEC 25V 4.7UF

SYMBOL	PARTS NO	DESCRIPTION
C1315	42AA2721	C,CERAMIC 50V 0.1UF
C1316	430B9025	C,ELEC 16V 10UF
C1317	43026181	C,ELEC 35V 4700UF
C1318	42AA2726	C,CERAMIC 50V 0.01UF
C1319	430CF540	C,ELEC 16C 2200UF
C1322	430C0244	C,ELEC 16V 47UF
C1402	430B9039	C,ELEC 25V 22UF
C1406	430B9536	C,ELEC 200V 10UF
C1407	42AA2726	C,CERAMIC 50V 0.01UF
C1408	430B9057	C.ELEC 35V 470UF
C1409	42AA2726	C.CERAMIC 50V 0.01UF
C1410	430B9057	C.ELEC 35V 470UF
C1412	4320E402	C.ELEC 200V 10UF
C1413	42703451	C.FILM 630V 1000PF
C1414	42703451	C.FILM 630V 1000PF
C2001	43089038	C.ELEC 25V 10UF
C2003	43089068	C.ELEC 50V 47UF
C2004	43089039	C.ELEC 25V 22UF
C5001	4303J224	C.ELEC 250V 4.7UF
C5003	42839022	C.METAL FILM 250V 0.1UF
C5004	430B9041	C.ELEC 25V 47UF
C5005	430B9552	C.ELEC 250V 1.0UF
C5006	42703451	C.FILM 630V 1000PF
C5007	423A1076	C.CERAMIC 50V 390PF
C5009	4309J183	C.ELEC 250V 10UF
C5010	43089062	C.ELEC 50V 2.2UF
C5013	43089042	C.ELEC 25V 100UF
C5014	421A0425	C.CERAMIC 50V 0.01UF
C5015	43089041	C.ELEC 25V 47UF
C5016	421A0425	C,CERAMIC 50V 0.01UF
C5017	421D6009	C,CERAMIC 25V 0.1UF
C5018	421D6009	C,CERAMIC 25V 0.1UF
C5019	421A0425	C,CERAMIC 50V 0.01UF
C5020	421D6009	C,CERAMIC 50V 0.1UF
C5022	430B9041	C,ELEC 25V 47UF
C5023	421A0425	C,CERAMIC 50V 0.01UF
C5024	421D6009	C,CERAMIC 25V 0.1UF
C5025	421A0425	C,CERAMIC 50V 0.01UF
C5026	423A2045	C,CERAMIC 50V 100PF
C5027	421D6009	C.CERAMIC 25V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C5029	4320E403	C,ELEC 200V 100UF
C5030	42839022	C,METAL FILM 250V 0.1UF
C5031	430B9028	C,ELEC 16V 47UF
C5032	42807507	C,FILM 1.6KV 1800PF
C5033	42703458	C.FILM 630V 3900PF
C5036	421A0425	C.CERAMIC 50V 0.01UF
C5037	421A0425	C.CERAMIC 50V 0.01UF
C5038	433A7021	C.ELEC 25V 10UF
C5039	421A0425	C.CELEC 25V 10UF
C5040	430B9061	C,ELEC 50V 1.0UF
C5041	423A2045	C,CERAMIC 50V 100PF
C5042	423A2045	C,CERAMIC 50V 100PF
C5043	430B9041	C,ELEC 25V 47UF
C5044	421D6009	C,CELEC 25V 47UF
C5045 C5046 C5048 C5050 C5051	430BJ558 428D5093 430BJ558 4303J214 42074713	C,ELEC 250V 330UF C,METAL 250V 0.1UF C,ELEC 250V 330UF C,ELEC 200V 4.7UF C,CECE 200V 4.7UF C,CERAMIC 2.0KV 1000PF
C5052	42074713	C,CERAMIC 2.0KV 1000PF
C5053	43089025	C,ELEC 16V 10UF
C5054	43089556	C,ELEC 250V 10UF
C5055	43089536	C,ELEC 200V 10UF
C5057	42703451	C,FILM 630V 1000PF
C5058	421D6013	C,CERAMIC 50V 0.1UF
C5059	427F4667	C,FILM 50V 0.022UF
C5060	4303J214	C,ELEC 200V 4.7UF
C5061	430B9D61	C,ELEC 50V 1.0UF
C5062	4309J183	C,ELEC 50V 10UF
C5063	4309J183	C.ELEC 250V 10UF
C5064	420C9563	C.CERAMIC 500V 1000PF
C5065	430B9041	C.ELEC 25V 47UF
C5066	42106009	C.CERAMIC 25V 0.1UF
C5501	42817255	C.METAL 2KV 6800PF
C5502	42817255	C,METAL 2KV 6800PF
C5503	42807541	C,FILM 1.6K 0.043UF
C5507	42808501	C,METAL FILM 1.6KV 1000PF
C5507B	42703455	C,FILM 630V 2200PF
C5508	42703567	C,FILM 200V 0.022UF
C5509	42840149	C.METAL 250V 2.2UF 5%

C5508	42703567	C.FILM 200V 0.022UF
C5509	42840149	C.METAL 250V 2.2UF 5%
SYMBOL	PARTS NO	DESCRIPTION
C5510	42839022	C.METAL FILM 250V 0.1UF
C5511	42839022	C.METAL FILM 250V 0.1UF
C5512	43089041	C.ELEC 25V 47UF
C5513	421D6009	C.CERAMIC 25V 0.1UF
C5514	427J9057	C.FILM 100V 3300PF
C5515	430B9556	C.ELEC 250V 10UF
C5518	427F4607	C.FILM 50V 3300PF
C5519	427F4607	C.FILM 50V 3300PF
C5521	42816373	C.FILM 250V 4.7UF 5%
C5522	427F4609	C,FILM 50V 4700PF
C5524	430B9062	C,ELEC 50V 2.2UF
C5525	430B9069	C,ELEC 50V 100UF
C5526	430B9069	C,ELEC 50V 100UF
C5527	433A6079	C,ELEC 50V 2.2UF
 C5528	42074709	C.CERAMIC 2.0KV 470PF
C5529	42839702	C.METAL 400V 0.12UF
C5530	42839702	C.METAL 400V 0.12UF
C5531	42839702	C.METAL 400V 0.12UF
C5532	42839702	C.METAL 400V 0.12UF
C5533	42837103	C.METAL FILM 400V 0.056
C5533B	42837103	C.METAL FILM 400V 0.056
C5535	42837103	C.METAL FILM 400V 0.056
C5537	42839702	C.METAL 400V 0.12UF
C5539	42837123	C.METAL FILM 400V 0.39
C5541	42839707	C.METAL 400V 0.27UF 5%
C5543	42839637	C.METAL 400V 0.3UF
C5546	42816371	C.FILM 250V 3.3UF 5%
C5547	42106009	C.CERAMIC 25V 0.1UF
C5548	42106009	C.CERAMIC 25V 0.1UF
C5549	421D6009	C,CERAMIC 25V 0.1UF
C5550	421D6009	C,CERAMIC 25V 0.1UF
C5551	421D6009	C,CERAMIC 25V 0.1UF
C5552	421D6009	C,CERAMIC 25V 0.1UF
C5553	421D6009	C,CERAMIC 25V 0.1UF
C5554	421D6009	C.CERAMIC 25V 0.1UF
C5556	421D6009	C.CERAMIC 25V 0.1UF
C5557	430B9029	C.ELEC 16V 100UF
C5558	421D6009	C.CERAMIC 25V 0.1UF
C5559	430B9041	C.ELEC 25V 47UF

SYMBOL	PARTS NO	DESCRIPTION
C5561	421D6009	C.CERAMIC 25V 0.1UF
C5562	430B9029	C.ELEC 16V 100UF
C5565	430B9041	C.ELEC 25V 47UF
C5566	421D6009	C.CERAMIC 25V 0.1UF
C5567	43089041	C,ELEC 25V 47UF
C5571	427F4629	C,FILM 50V 0.22UF
C5572	427F4629	C,FILM 50V 0.22UF
C5573	427F4629	C,FILM 50V 0.22UF
C5574	427F4629	C,FILM 50V 0.22UF
C5575	430B9041	C,ELEC 25V 47UF
C5576	421D6009	C,CERAMIC 25V 0.1UF
C5577	430B9028	C,ELEC 16V 47UF
C701	43K87515	C,ELEC 16V 10UF
C702	43K87515	C,ELEC 16V 10UF
C703	43KB7515	C,ELEC 16V 10UF
C706	43KB7538	C,ELEC 16V 100UF
C707	42AA2721	C,ELEC 16V 10UF
C708	43KB7515	C,ELEC 16V 10UF
C709	43KB7515	C,ELEC 16V 10UF
C711	43KB7515	C,ELEC 16V 10UF
C713	43KB7533	C,ELEC 50V 2.2UF
C714	43KB7533	C,ELEC 50V 2.2UF
C715	43KB7533	C,ELEC 50V 2.2UF
C716	43KB7533	C,ELEC 50V 2.2UF
C717	43KB7533	C,ELEC 50V 2.2UF
C718	43KB7533	C,ELEC 50V 2.2UF
C719	42CA1464	C,ELEC 50V 1000PF
C7207	43KB7441	C,ELEC CHIP 16V 10UF
C7208	43KB7444	C,ELEC CHIP 16V 47UF
C7209	43KB7444	C,ELEC CHIP 16V 47UF
C7210	42AA2721	C,CERAMIC 50V 0.1UF
C722	42CA1464	C,CERAMIC 50V 1000PF
C7226	42CA1434	C,CERAMIC 50V 58PF
C7227	42CA1428	C,CERAMIC 50V 33PF
C7228	42CA1420	C.CERAMIC 50V 15PF
C7229	42CA1420	C.CERAMIC 50V 15PF
C723	42CA1464	C.CERAMIC 50V 1000PF
C7230	42CA2726	C.CERAMIC 50V 0.01UF
C7231	43KB7518	C.ELEC 16V 47UF
C7232	42CA1440	C/CERAMIC 50V 100PF

SYMBOL	PARTS NO	DESCRIPTION
C7233	42AA2721	C,CERAMIC 50V 0.1UF
C7234	42AA2721	C,CERAMIC 50V 0.1UF
C7235	43KB7441	C,ELEC CHIP 16V 10UF
C7236	43KB7518	C,ELEC 16V 47UF
C7237	43KB7518	C.ELEC 18V 47UF
C7239	42AA2721	C.CERAMIC 50V 0.1UF
C724	42CA1464	C.CERAMIC 50V 1000PF
C7240	43KB7441	C.ELEC CHIP 16V 10UF
C7241	42AA2721	C.CERAMIC 50V 0.1UF
C7242	42AA2721	C.CERAMIC 50V 0.1UF
C7249	43KB7518	C.ELEC 16V 47UF
C725	43KB7476	C.ELEC CHIP 50V 2.2UF
C7250	43KB7452	C.ELEC CHIP 25V 33UF
C7251	42AA2721	C.CERAMIC 50V 0.1UF
C7252	42AA2721	C,CERAMIC 50V 0.1UF
C7253	42AA2721	C,CERAMIC 50V 0.1UF
C7254	42AA2721	C,CERAMIC 50V 0.1UF
C7255	42AA2721	C,CERAMIC 50V 0.1UF
C7256	43KB7441	C,ELEC CHIP 16V 10UF
C7257	42AA2721	C,CERAMIC 50V 0.1UF
C7258	42AA2746	C,CERAMIC 25V 0.22UF
C7259	43KB7474	C,ELEC CHIP 50V 0.47UF
C7260	43089041	C,ELEC 25V 47UF
C7261	42AA2721	C,CERAMIC 50V 0.1UF
C7262	43KB7474	C,ELEC CHIP 50V 0.47UF
C7263	42AA2721	C,CERAMIC 50V 0.1UF
C7264	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7265	42AA2746	C,CERAMIC 25V 0.22UF
C7266	42AA2746	C,CERAMIC 25V 0.22UF
C7267	43KB7441	C,ELEC CHIP 18V 10UF
C7268	43KB7474	C,ELEC CHIP 50V 0.47UF
C7259	43KB7474	C,ELEC CHIP 50V 0.47UF
C7270	42CA1440	C,CERAMIC 50V 100PF
C7271	42AA2721	C,CERAMIC 50V 0.1UF
C7272	42AA2721	C,CERAMIC 50V 0.1UF
C7273	42AA2721	C,CERAMIC 50V 0.1UF
C7274	42AA2721	C,CERAMIC 50V 0.1UF
C7275	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7276	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7277	42CA1430	C.CERAMIC 50V 39PF

C5580

421D6009

C.CERAMIC 25V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C7278	42CA1432	C,CERAMIC 50V 47PF
C7279	42AA2746	C,CERAMIC 25V 0.22UF
C728	42AA2721	C,CERAMIC 50V 0.1UF
C7281	42AA2746	C,CERAMIC 25V 0.22UF
C7282	42AA2746	C,CERAMIC 25V 0.22UF
C7283	43KB7452	C,ELEC CHIP 25V 33UF
C7284	42AA2721	C,CERAMIC 50V 0.1UF
C7285	42AA1525	C,CHIP CERAMIC 50V0.022UF
C7286	42AA2721	C,CERAMIC 50V 0.1UF
C7287	42AA1525	C,CHIP CERAMIC 50V0.022UF
C7288	42CA1418	C,CERAMIC 50V 12PF
C7289	42CA1415	C,CHIP 50V 9.0PF
C729	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C729	42AA1525	C,CHIP CERAMIC 50V0.022UF
C7291	42AA2721	C,CERAMIC 50V 0.1UF
C7292	43KB7452	C,ELEC CHIP 25V 33UF
C7293	42AA2721	C,CERAMIC 50V 0.1UF
C7294	43KB7475	C,ELEC CHIP 50V 1.0UF
C7295	43KB7475	C,ELEC CHIP 50V 1.0UF
C7296 C7297 C7298 C7299 C730	42AA2729 43KB7441 43KB7475 430B9032 42CA1464	C.CERAMIC 50V 0.047UF C.ELEC CHIP 16V 10UF C.ELEC CHIP 50V 1.0UF C.ELEC 16V 470UF C.CECE 16V 470UF C.CERAMIC 50V 1000PF
C7300	42AA2721	C.CERAMIC 50V 0.1UF
C7301	43KB7532	C.ELEC 50V 1.0UF
C7302	42CA1440	C.CERAMIC 50V 100PF
C7303	43KB7530	C.ELEC 50V 0.3UF
C7304	42CA1440	C.CERAMIC 50V 100PF
C7305	43KB7475	C,ELEC CHIP 50V 1.0UF
C7306	43KB7475	C,ELEC CHIP 50V 1.0UF
C7307	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7308	43KB7476	C,ELEC CHIP 50V 2.2UF
C7309	42AA2721	C,CERAMIC 50V 0.1UF
C731	42CA1464	C,CERAMIC 50V 1000PF
C7310	42AA2721	C,CERAMIC 50V 0.1UF
C7311	42AA2721	C,CERAMIC 50V 0.1UF
C7312	42AA2721	C,CERAMIC 50V 0.1UF
C7313	42AA2721	C,CERAMIC 50V 0.1UF
C7314	43089032	C.ELEC 16V 470UF

SYMBOL	PARTS NO	DESCRIPTION
C7315	42AA2721	C,CERAMIC 50V 0.1UF
C7316	42AA1516	C,CHIP CERAMIC 50V 3900PF
C7317	42AA2721	C,CERAMIC 50V 0.1UF
C7318	43KB7476	C,ELEC CHIP 50V 2.2UF
C7319	43KB7475	C,ELEC CHIP 50V 1.0UF
C732	42CA1464	C,CERAMIC 50V 1000PF
C7320	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7321	42AA2721	C,CERAMIC 50V 0.1UF
C7322	430B9032	C,ELEC 16V 470UF
C7323	43KB7441	C,ELEC CHIP 16V 10UF
C7324	43KB7441	C,ELEC CHIP 16V 10UF
C7325	42AA2721	C,CERAMIC 50V 0.1UF
C7326	42CA1440	C,CERAMIC 50V 100PF
C7327	42CA1440	C,CERAMIC 50V 100PF
C7328	42AA2721	C,CERAMIC 50V 0.1UF
C7329	43K87538	C,ELEC 16V 100UF
C733	430B6032	C,ELEC 16V 470UF
C7330	42AA2721	C,CERAMIC 50V 0.1UF
C7331	42AA2721	C,CERAMIC 50V 0.1UF
C7332	42AA2721	C,CERAMIC 50V 0.1UF
C7333	42AA2721	C,CERAMIC 50V 0.1UF
C7334	42AA2721	C,CERAMIC 50V 0.1UF
C7335	42AA2721	C,CERAMIC 50V 0.1UF
C7336	430B9029	C,ELEC 16V 100UF
C7337	42AA2721	C,CERAMIC 50V 0.1UF
C7338	42AA2721	C,CERAMIC 50V 0.1UF
C7339	430B9029	C,ELEC 16V 100UF
C734	42AA2721	C,CERAMIC 50V 0.1UF
C7355	430B9043	C,ELEC 25V 220UF
C7356	43089043	C,ELEC 25V 220UF
C7401	43KB7523	C,ELEC 25V 33UF
C7402	42AA2721	C,CERAMIC 50V 0.1UF
C7403	42CA1428	C,CERAMIC 50V 33PF
C7404	43089041	C,ELEC 25V 47UF
C7405	42AA2721	C,CERAMIC 50V 0.1UF
C7406	42AA2721	C,CERAMIC 50V 0.1UF
C7407	42AA1525	C,CHIP CERAMIC 50V0.022UF
C7408	43KB7475	C,ELEC CHIP 50V 1.0UF
C7409	42AA2729	C,CERAMIC 50V 0.047UF
C7410	42CA1416	C.CERAMIC 50V 10PF

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SYMBOL	PARTS NO	DESCRIPTION
C7411	42CA1464	C.CERAMIC 50V 1000PF
C7412	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C7413	42CA1422	C.CERAMIC 50V 18PF
C7414	42CA1422	C.CERAMIC 50V 18PF
C7415	42AA2137	C,CERAMIC 50V 0.33UF
C7416	42AA2729	C,CERAMIC 50V 0.047UF
C7417	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7418	42AA2721	C,CERAMIC 50V 0.1UF
C7419	42AA2721	C,CERAMIC 50V 0.1UF
C7422	43KB7523	C,ELEC 25V 33UF
C7423	42AA2721	C,CERAMIC 50V 0.1UF
C7424	42AA2721	C,CERAMIC 50V 0.1UF
C7425	43KB7441	C,ELEC CHIP 16V 10UF
C7426	42AA1515	C,CHIP CERAMIC 50V 3300PF
CT427	43KB7531	C,ELEC 50V 0.47UF
CT428	42AA2721	C,CERAMIC 50V 0.1UF
CT429	42AA1523	C,CHIP CERAMIC 50V0.015UF
CT432	43KB7452	C,ELEC CHIP 25V 33UF
CT433	42CA1464	C,CECAMIC 50V 1000PF
C7434 C7435 C7436 C7437 C7438	42AA2721 42AA1521 42AA1521 430B9042 42CA1416	C,CERAMIC 50V 0.1UF C,CHIP CERAMIC 50V 0.01UF C,CHIP CERAMIC 50V 0.01UF C,ELEC 25V 100UF C,CEC 25V 100UF C,CERAMIC 50V 10PF
C7439	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7440	42AA2721	C,CERAMIC 50V 0.1UF
C7441	42AA2721	C,CERAMIC 50V 0.1UF
C7442	42AA2721	C,CERAMIC 50V 0.1UF
C7443	42AA2721	C,CERAMIC 50V 0.1UF
C7444	42AA2721	C,CERAMIC 50V 0.1UF
C7445	42AA2721	C,CERAMIC 50V 0.1UF
C7446	42AA2721	C,CERAMIC 50V 0.1UF
C7447	430B9042	C,ELEC 25V 100UF
C7449	42AA2721	C,CECEC 50V 0.1UF
C7451	42AA2721	C,CERAMIC 50V 0.1UF
C7452	42AA2721	C,CERAMIC 50V 0.1UF
C7453	42AA2721	C,CERAMIC 50V 0.1UF
C7501	42CA1432	C,CERAMIC 50V 47PF
C7502	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7503	43KB7523	C.ELEC 25V 33UF

SYMBOL	PARTS NO	DESCRIPTION
C7504	42CA1432	C.CERAMIC 50V 47PF
C7505	42CA1432	C.CERAMIC 50V 47PF
C8001	430B9064	C.ELEC 50V 4.7UF
C8002	42AA2721	C.CERAMIC 50V 0.1UF
C8003	433A7021	C.ELEC 25V 10UF
C8004	42AA2721	C.CERAMIC 50V 0.1UF
C8005	433A7021	C.ELEC 25V 10UF
C8006	42AA2721	C.CERAMIC 50V 0.1UF
C8007	433A7021	C.ELEC 25V 10UF
C8009	42AA2721	C,CERAMIC 50V 0.1UF
C801	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8010	430B9029	C,ELEC 16V 100UF
C8011	42AA2721	C,CERAMIC 50V 0.1UF
C8012	430B9062	C,ELEC 50V 2.2UF
C8013	43089062	C,ELEC 50V 2.2UF
C8014	43089062	C,ELEC 50V 2.2UF
C8015	42AA2721	C,CERAMIC 50V 0.1UF
C8016	43089039	C,ELEC 25V 22UF
C8017	42AA2721	C,CERAMIC 50V 0.1UF
C8018	43086039	C,ELEC 25V 22UF
C8019	42AA2721	C,CERAMIC 50V 0.1UF
C802	43CC1345	C,ELEC 16V 33UF
C8020	42AA2721	C,CERAMIC 50V 0.1UF
C8021	43086039	C,ELEC 25V 22UF
C8022	430B6061	C.ELEC 50V 1.OUF
C8023	42AA1517	C.CHIP CERAMIC 50V 4700PF
C8024	42AA2721	C.CERAMIC 50V 0.1UF
C8026	42CA1426	C.CERAMIC 50V 27PF
C8028	42CA1464	C.CERAMIC 50V 1000PF
C8029	430B9029	C,ELEC 16V 100UF
C803	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8032	430B9061	C,ELEC 50V 1.0UF
C8033	430B9061	C,ELEC 50V 1.0UF
C8034	42AA2721	C,CERAMIC 50V 0.1UF
C8038	43089033	C,ELEC 18V 1000UF
C8039	42AA2721	C,CERAMIC 50V 0.1UF
C804	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8040	42AA2721	C,CERAMIC 50V 0.1UF
C8041	43089042	C,ELEC 25V 100UF
C8045	43089029	C.ELEC 16V 100UF

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SYMBOL	PARTS NO	DESCRIPTION
C8046	42AA2721	C,CERAMIC 50V 0.1UF
C8047	42AA2721	C,CERAMIC 50V 0.1UF
C8048	430B9042	C,ELEC 25V 100UF
C8049	430B9038	C,ELEC 25V 10UF
C805	43CC1345	C.ELEC 16V 33UF
C8050	430B8178	C.ELEC 50V 4.7UF
C8051	430B8176	C.ELEC 50V 2.2UF
C8052	42AA2721	C.CERAMIC 50V 0.1UF
C8053	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C8054	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8055	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8056	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8057	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8058	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8059	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C806	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8060	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8061	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8062	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C807	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C808	43CC1345	C,ELEC 16V 33UF
C809	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C810	43CC1350	C,ELEC 25V 3.3UF
C8102	42CA1458	C,CECEC 25V 560PF
C8104	42AA2721	C,CERAMIC 50V 0.1UF
C8105	430B9552	C,ELEC 250V 1.0UF
C8106	42840105	C,METAL FILM 250V 1UF
C811	42AA2721	C,CERAMIC 50V 0.1UF
C8111	42AA2721	C,CERAMIC 50V 0.1UF
C8112	430B9552	C,ELEC 250V 1.0UF
C8113	42840105	C,METAL FILM 250V 1UF
C8118	42AA2721	C,CERAMIC 50V 0.1UF
C8119	430B9552	C,ELEC 250V 1.0UF
C812	42AA2721	C,CERAMIC 50V 0.1UF
C8120	42840105	C.METAL FILM 250V 1UF
C8122	4201J575	C.CERAMIC 500V 0.01UF
C8123	430B9556	C.ELEC 250V 10UF
C8124	42AA2721	C.CERAMIC 50V 0.1UF
C8125	4201J575	C.CERAMIC 500V 0.01UF
C8126	430B9556	C.ELEC 250V 10UF

SYMBOL	PARTS NO	DESCRIPTION
C8128	43086555	C,ELEC 250V 4.7UF
C8129	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C813	43CC1350	C,ELEC 25V 3.3UF
C8130	43086555	C,ELEC 250V 4.7UF
C8131	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8132	430B6555	C,ELEC 250V 4.7UF
C8133	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8138	42CA1416	C,CERAMIC 50V 10PF
C8139	42CA1416	C,CERAMIC 50V 10PF
C814	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8140	42CA1416	C,CERAMIC 50V 10PF
C8141	42AA2721	C,CERAMIC 50V 0.1UF
C8142	42AA2721	C,CERAMIC 50V 0.1UF
C8143	42AA2721	C,CERAMIC 50V 0.1UF
C815	43CC1345	C.ELEC 16V 33UF
C816	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C817	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C818	43CC1345	C.ELEC 16V 33UF
C819	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C820	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C821	43CC1345	C.ELEC 16V 33UF
C822	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C823	42AA2721	C.CERAMIC 50V 0.1UF
C824	43KB7523	C.CEC 25V 33UF
C825	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C826	43CC1345	C,ELEC 16V 33UF
C827	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C828	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C829	43CC1345	C,ELEC 16V 33UF
C830	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C831	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C832	43CC1345	C,ELEC 16V 33UF
C833	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C834	42AA2721	C,CERAMIC 50V 0.1UF
C835	43K87452	C.ELEC CHIP 25V 33UF
C836	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C837	43KB7538	C.ELEC 16V 100UF
C838	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C839	43KB7515	C.ELEC 16V 10UF
C840	43KB7538	C.ELEC 16V 100UF

SYMBOL	PARTS NO	DESCRIPTION
C841	42AA2721	C.CERAMIC 50V 0.1UF
C842	42AA2721	C.CERAMIC 50V 0.1UF
C844	42AA2721	C.CERAMIC 50V 0.1UF
C845	43KB7523	C.ELEC 25V 33UF
C846	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C847	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C848	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C901	421D6009	C.CERAMIC 25V 0.1UF
C902	42034143	C.CERAMIC 2KV 1000PF
C904	42019175	C.CERAMIC 2KV 0.01UF

3. XP-2990G

SYMBOL	PARTS NO	DESCRIPTION
*** CRT	& TUNER **	**
CRT	33029036	CRT-M68LMF256X
*** ICS	***	
1C1003 1C1004 1C1005 1C1006 1C1007	370EC030 37058820 370E3275 37058805 37056122	MOS HD74HC573FP-EL MOS UPD78P018FYCW MOS HD74HC138FPTL MOS 24LC08B/P MOS UPD71055C
C1008 C1010 C1011 C1012 C1013	371E1568 37058829 37058582 37056111 37056111	IC PST529G-2(T)(3.3V RES) MOS UPDT8P014YCW MOS MAX232CPE (TRNSMIT) MOS UPD71051C MOS UPD71051C
101014 101015 101022 101023 101024	370E3306 37056122 37005160 37005164 37005228	MOS UPD74HC32GS-T2 MOS UPD71055C IC MC7812CT (JBL1045CT) IC MC7912CT (REG) IC PQ05RF1 (REG)
C1030 C1031 C1032 C1033 C1301	37009037 370E3425 37101395 37011320 37001086	IC UPC1885CT MOS UPD74HC221AG-T1 IC BA10324 IC LA6500 IC TA8211AH (AMP)
1C1302 1C1401 1C1402 1C1403 1C1404	37001075 37011068 37006023 37005315 37005316	IC UPC1406HA (DC-CONT) IC UPC4558C (OP AMP) IC STK792-110 IC NJM7818FA IC NJM7918FA
1 C2002 1 C5003 1 C5005 1 C5006 1 C5501	37058618 370K0011 37058804 37011363 37056616	IC BA10358 IC UPC78L12T-E2 MOS M62353P IC M52723SP IC BA10358
C5502 C5503 C5504 C701 C7202	37101395 37058477 37005085 37011361 370AA009	IC BA10324 MOS UPD6345C (DRIVER) IC UPC78L12 IC MM1313AD (AV-SW) IC MM1112XF (V-SW)

SYMBOL	PARTS NO	DESCRIPTION
1C7205 1C7208 1C7209 1C7210 1C7211	370AA008 370AA008 37011342 37003058 370E3413	IC MM1111XF(V-SW) IC MM1111XF(V-SW) IC TA877ZAN (IH DL) IC TA888OCN MOS UPD4538BG-T2
107213 107214 107401 107402 107404	37903282 37005093 37RAA004 37R58088 37011299	IC UPC7805AHF IC NJM7809FA IC CXA1686M-T6 MOA CXD2024AQ IC LA7950 (50/60 SW)
C8001 C8002 C8004 C8005 C801	37010006 370EH018 37005256 37903282 37RED061	IC M52320SP MOS M62358FP-75BC IC UPC7812AHF (REG) IC UPC7805AHF MOS 24LC21T-1/SN
C802 C803 C804 C805 C8101	370E6009 37011018 37056615 37011018 37RAA010	MOS UPD4066BG (T2) IC UPC311C (COMP) IC BA10393 IC UPC311C (COMP) IC AD8013AR-14-REEL
RV101	37058792	PHOTO SENSOR SBX8025A-F
*** TRA	NSISTORS **	**
Q1001 Q1020 Q1021 Q1023 Q1026	35CB0015 35CB0015 35CB0015 35CB0015 35EB0002	TR 2SC1623-T2B(180°) L5 TR 2SC1623-T2B(180°) L5 TR 2SC1623-T2B(180°) L5 TR 2SC1623-T2B(180°) L5 TR FA1A4M-T2B(180°)
Q1030 Q1033 Q1034 Q1035 Q1038	35CB0015 35CB0015 35CB0015 35CB0015 35CB0015	TR 2SC1623-T2B(180°) L5
Q1044 Q1050 Q1051 Q1052 Q1053	35EB0002 35CB0015 35CB0015 35EB0002 35EB0026	TR FA1A4M-T2B(180°) TR 2SC1623-T2B(180°) L5 TR 2SC1623-T2B(180°) L5 TR FA1A4M-T2B(180°) TR FA1L4M-T2B
		1

Q1055

35E80026

TR FA1L4M-T2B

SYMBOL	PARTS NO	DESCRIPTION
Q1056	35EB0026	TR FA1L4M-T2B
Q1057	35CB0015	TR 2SC1623-T2B(180°) L5
Q1058	35AB0015	TR 2SA812-T2B(180°) M5
Q1059	35AB0015	TR 2SA812-T2B(180°) M5
Q1301 Q1302 Q1401 Q1402 Q1403	35CB0015 35CB0015 35EB0002 35CB0015 35AB0015	TR 2SC1623-T2B(180°) L5 TR 2SC1623-T2B(180°) L5 TR FA1A4M-T2B(180°) TR 2SC1623-T2B(180°) L5 TR 2SA812-T2B(180°) M5
Q1404	35CB0015	TR 2SC1623-T28(180°) L5
Q1405	350H4418	TR 2SC1473-TA R
Q1407	35063411	TR 2SD401A K
Q5001	35127470	TR 2SJ306
Q5002	350E3218	TR 2SC1740S-T R
Q5003	350K5700	TR 2SA933S-T
Q5004	350E3218	TR 2SC1740S-T R
Q5005	350E3218	TR 2SC1740S-T R
Q5006	350A1500	TR 2SA1767-TA
Q5007	35122800	TR 2SK1271
Q5008 Q5009 Q5010 Q5011 Q5012	350E3218 350E3218 35005216 35084400 35007204	TR 2SC1740S-T R TR 2SC1740S-T R TR 2SA1018 P TR.2SC3053 TR 2SA1381 D
Q5013	35084400	TR.2SC3063
Q5014	35094200	TR 2SC4572
Q5015	35005216	TR 2SA1018 P
Q5017	35124500	TR 2SJ196
Q5020	350H4418	TR:2SC1473-TA R
Q5023	351G0577	TR DTC144ESA-T
Q5024	351G0577	TR DTC144ESA-T
Q5025	35122800	TR 25K1271
Q5027	350E3218	TR 25C1740S-T R
Q5028	350A2020	TR 25A933AS-T
Q5029 Q5030 Q5031 Q5032 Q5033	35095340 35025211 35025211 350H4418 350H4418	TR 2SC2518 TR 2SB546 K TR 2SB546 K TR 2SB546 K TR.2SC1473-TA R TR.2SC1473-TA R
Q5034	350H4418	TR,2SC1473-TA R

	Q5027	350E3218	TR 25C1740S-T R
	Q5028	350A2020	TR 25A933AS-T
	Q5029 Q5030 Q5031 Q5032 Q5033	35095340 35025211 35025211 350H4418 350H4418	TR 2SC2518 TR 2SB548 K TR 2SB546 K TR 2SB547 K TR:2SC1473-TA R TR:2SC1473-TA R
	Q5034	350H4418	TR,2SC1473-TA R
1			
	SYMBOL	PARTS NO	DESCRIPTION
	Q5035	35095340	TR 2SC2518
	Q5036	350H4418	TR 2SC1473-TA R
	Q5037	350E3218	TR 2SC1740S-T R
	Q5038	350E3218	TR 2SC1740S-T R
	Q5039	350A2020	TR 2SA933AS-T
	Q5501	35095300	TR 2SC5144
	Q5502	35128007	TR FS14SM-18A
	Q5503	35128007	TR FS14SM-18A
	Q5504	35122500	TR 2SK758
	Q5505	35122500	TR 2SK758
	Q5506	350E3218	TR 2SC1740S-T R
	Q5507	350A2020	TR 2SA933AS-T
	Q5508	35070812	TR 2SD1587 L
	Q5509	350H4417	TR.2SC1473-TA Q
	Q5510	350H4417	TR.2SC1473-TA Q
	Q5511	35052317	TR.2SC1573 Q
	Q5512	35070812	TR.2SD1587 L
	Q5513	35031112	TR.2SB1096 L
	Q5514	350E3218	TR.2SC1740S-T R
	Q5515 Q5516 Q5517 Q5518 Q5519	350E3218 350E3218 350E3218 350E3218 350E3218	TR 2SC1740S-T R
	Q5520	35127580	TR 2SK1642
	Q5520B	35127580	TR 2SK1642
	Q5521	35127580	TR 2SK1642
	Q5522	35127580	TR 2SK1642
	Q5523	35127580	TR 2SK1642
	Q5524	35127580	TR 2SK1642
	Q5525	35127580	TR 2SK1642
	Q5526	35127580	TR 2SK1642
	Q5527	35063412	TR 2SD401A L
	Q5528	35063412	TR 2SD401A L

SYMBOL	PARTS NO	DESCRIPTION
Q5541 Q5542 Q5543 Q5544	350E3218 350E3218 350E3218 350E3218	TR 2SC1740S-T R TR 2SC1740S-T R TR 2SC1740S-T R TR 2SC1740S-T R
Q705 Q706 Q707 Q7201 Q7202	35AB0015 35AB0015 35CB0011 35EB0026 35EB0026	TR 2SA812-T2B(180*) M5 TR 2SA812-T2B(180*) M5 TR 2SC1623-T1B L5 TR FA1L4M-T2B TR FA1L4M-T2B
Q7204 Q7205 Q7206 Q7207 Q7209	35CB0011 35CB0011 35CB0011 35CB0011 35CB0011	TR 2SC1623-T1B L5
Q7210 Q7211 Q7212 Q7213 Q7214	35EB0026 35EB0026 35EB0026 35EB0026 35CB0011	TR FA1L4M-T2B TR FA1L4M-T2B TR FA1L4M-T2B TR FA1L4M-T2B TR FA1L4M-T2B TR 2SC1623-T1B L5
Q7215 Q7216 Q7217 Q7218 Q7219	35EB0026 35EB0026 35CB0011 35CB0011 35CB0011	TR FA1L4M-T2B TR FA1L4M-T2B TR 2SC1623-T1B L5 TR 2SC1623-T1B L5 TR 2SC1623-T1B L5
Q7220 Q7221 Q7222 Q7401 Q7402	35C80011 35C80011 35C80011 35C80011 35C80011	TR 2SC1623-T18 L5 TR 2SC1623-T18 L5 TR 2SC1623-T18 L5 TR 2SC1623-T18 L5 TR 2SC1623-T18 L5
Q7403 Q7404 Q7405 Q7406 Q7407	35CB0011 35EB0026 35AB0015 35AB0015 35AB0015	TR 2SC1623-T1B L5 TR FA1L4M-T2B TR 2SA812-T2B(180°) M5 TR 2SA812-T2B(180°) M5 TR 2SA812-T2B(180°) M5 TR 2SA812-T2B(180°) M5
Q7408 Q7409 Q7502 Q7503 Q8003	35AB0015 35AB0015 35CB0011 35CB0011 35CB0011	TR 2SA812-T2B(180°) M5 TR 2SA812-T2B(180°) M5 TR 2SC1623-T1B L5 TR 2SC1623-T1B L5 TR 2SC1623-T1B L5
Q8007	35CB0011	TR 2SC1623-T1B L5

SYMBOL	PARTS NO	DESCRIPTION
Q8008 Q8009 Q801 Q8010	35AB0015 35CB0011 35CB0011 35CB0017	TR 2SA812-T2B(180°) M5 TR 2SC1623-T1B L5 TR 2SC1623-T1B L5 TR,2SC3811-TA Q
Q8013 Q8014 Q8015 Q802 Q803	35AB0015 35CB0011 35CB0011 35CB0011 35CB0011	TR 2SA812-T2B(180*) M5 TR 2SC1623-T1B L5 TR 2SC1623-T1B L5 TR 2SC1623-T1B L5 TR 2SC1623-T1B L5
Q804 Q805 Q806 Q807 Q808	35CB0011 35CB0011 35CB0011 35EB0205 35EB0026	TR 2SC1623-T18 L5 TR 2SC1623-T18 L5 TR 2SC1623-T18 L5 TR 0TA144EKA-T146(0°) TR FA1L4M-T28
Q810 Q8101 Q8102 Q8103 Q8104	35EB0205 35095333 35095323 35084105 35006305	TR DTA144EKA-T146(0°) TR 2SC4271 E TR 2SC4523 E TR 2SC3500 E TR,2SA1406 E
Q8105 Q8108 Q8109 Q811 Q8110	35012053 35095323 35084105 35EB0026 35006305	TR 2SA1371 E TR 2SC4623 E TR.2SC3600 E TR FA1L4M-T2B TR,2SA1406 E
Q8111 Q8113 Q8114 Q8115 Q8116	35012053 35095333 35095323 35084105 35006305	TR 2SA1371 E TR 2SC4271 E TR 2SC4623 E TR.2SC3600 E TR.2SA1406 E
Q8117 Q8119 Q8120 Q8124 Q8125	35012053 35CB0011 35CB0011 35CB0011 35CB0011	TR 2SA1371 E TR 2SC1623-T1B L5 TR 2SC1623-T1B L5 TR 2SC1623-T1B L5 TR 2SC1623-T1B L5
Q8126 Q8127 Q8128 Q8129 Q813	35CB0011 350H4417 350H4417 350H4417 35CB0011	TR 2SC1623-T1B L5 TR.2SC1473-TA Q TR.2SC1473-TA Q TR.2SC1473-TA Q TR.2SC1473-TA Q TR 2SC1623-T1B L5
Q8133	35CB2433	TR 2SC4269 4-TB

Q5529 Q5530 Q5533 Q5535 Q5536

Q5540

35063412 35063412 351G0570 351G0570 351G0577

350E3218

TR 2SD401A L TR 2SD401A L TR DTA144ESA-T TR DTA144ESA-T TR DTC144ESA-T

TR 2SC1740S-T R

SYMBOL	PARTS NO	DESCRIPTION
Q8134 Q8135 Q814 Q815	35CB2433 35CB2433 35CB0011 35CB0011	TR 2SC4269 4-TB TR 2SC4269 4-TB TR 2SC1623-T1B L5 TR 2SC1623-T1B L5
Q816 Q817 Q818 Q819 Q820	35EB0205 35EB0026 35CB0011 35EB0026 35EB0026	TR DTA144EKA-T146(0°) TR FA1L4M-T2B TR 2SC1623-T1B L5 TR FA1L4M-T2B TR FA1L4M-T2B
Q8207 Q821 Q823 Q824 Q825	35095333 35EB0026 35EB0026 35EB0026 35CB0011	TR 2SC4271 E TR FA1L4M-T2B TR FA1L4M-T2B TR FA1L4M-T2B TR FA1L4M-T2B TR 2SC1623-T1B L5
Q826 Q827 Q828 Q829 Q830	35CB0011 35CB2433 35AB0123 35CB2433 35AB0123	TR 2SC1623-T1B L5 TR 2SC4269 4-TB TR 2SA1461-T2B Y23 TR 2SC4269 4-TB TR 2SA1461-T2B Y23
Q831 Q832	35CB2433 35AB0123	TR 2SC4269 4-TB TR 2SA1461-T2B Y23
*** DIODES ***		
D1001	36CB0213	DIODE DAN212K-T146

*** DIC	DES ***	
D1001 D1002 D1003 D101 D1011	36CB0213 36CB0213 361K7522 36801348 361K7522	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE ERA15-02 V1 LED SPR39MVWF DIODE ERA15-02 V1
D1015 D1016 D1021 D1022 D1023	36CB0213 36CB0213 36CB0213 36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146
D1024 D1025 D1031 D1034 D1035	36¢B0213 36¢B0213 36¢B0079 36107562 36107562	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN202K-T146(0°) DIODE EGP10G
D1036	36CB0213	DIODE DAN212K-T146

SYMBOL	PARTS NO	DESCRIPTION
D1037 D1038 D1039 D1040	36CB0213 36CB0213 36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146
D1041 D1042 D1043 D1044 D1301	36CB0079 36CB0213 36CB0079 36CB0213 36CB0213	DIODE DAN202K-T146(0°) DIODE DAN212K-T146 DIODE DAN202K-T146(0°) DIODE DAN212K-T146 DIODE DAN212K-T146
D1302 D1303 D1401 D1402 D1403	36CB0213 36CB0079 36CB0213 36CB0213 36CB0079	DIODE DAN212K-T146 DIODE DAN202K-T146(0°) DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN202K-T146(0°)
D1407 D1408 D1409 D5001 D5002	36CB0213 36CB0213 36CB0213 36107562 36107638	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE EGP10G DIODE EGP30G
D5003 D5004 D5006 D5007 D5008	360K1049 360K1049 36107562 360K1049 360K1049	DIODE 1SS27OA TA DIODE 1SS27OA TA DIODE EGPIOG DIODE 1SS27OA TA DIODE 1SS27OA TA
D5010 D5011 D5012 D5013 D5015	360K1049 36107761 36107761 36108254 360K1049	DIODE 1SS270A TA DIODE RU4DS(LF-J2) DIODE RU4DS(LF-J2) DIODE ESAC39M-04D F77 DIODE ISS270A TA
D5016 D5017 D5018 D5019 D5020	360K1049 360K1049 360K1049 36107562 360K1049	DIODE 1SS270A TA DIODE 1SS270A TA DIODE 1SS270A TA DIODE 1SS270A TA OIODE EGP10G DIODE ISS270A TA
D5022 D5023 D5024 D5025 D5501	360K1049 361K7522 360K1049 360K1049 36107765	DIODE 1SS270A TA DIODE ERA15-02 V1 DIODE 1SS270A TA DIODE 1SS270A TA DIODE FMO-G5GS
D5502	36107285	DIODE SB340

D5503 D5504 D5507 D5508 D5509 D5510 D5514 D5516 D5516	361K7541 361K7541 361K7541 360K1049 360K1049 361K7737 361K7737 361K7737 361K7737 360K1049	DESCRIPTION DIODE EGOIA-VI DIODE EGOIA-VI DIODE ISS270A TA DIODE EGOIZ VI
05504 05507 05508 05509 05510 05513 05514 05516 05517 05517	361K7541 360K1049 360K1049 361K7737 361K7737 361K7737 361K7737 360K1049	DIODE EGO1A-VI DIODE ISS270A TA DIODE ISS270A TA DIODE EGO1Z VI DIODE EGO1Z VI DIODE RGICVI DIODE RGO1Z VI
D5504 D5508 D5509 D5510 D5513 D5514 D5516 D5517 D5518 D5518	361K7541 360K1049 360K1049 361K7737 361K7737 361K7737 361K7737 360K1049	DIODE EGO1A-VI DIODE ISS270A TA DIODE ISS270A TA DIODE EGO1Z VI DIODE EGO1Z VI DIODE RGICVI DIODE RGO1Z VI
D5507 D5508 D5509 D5510 D5513 D5514 D5516 D5517 D5518	360K1049 360K1049 361K7737 361K7737 361K7307 361K7737 360K1049	DIODE ISS270A TA DIODE ISS270A TA DIODE EGO1Z V1 DIODE EGO1Z V1 DIODE RGICVI DIODE EGO1Z V1
05509 05510 05513 05514 05516 05517 05518 05519	361K7737 361K7737 361K7307 361K7737 360K1049	DIODE EGOIZ VI DIODE EGOIZ VI DIODE RGICVI DIODE EGOIZ VI
D5510 D5513 D5514 D5516 D5517 D5518 D5519	361K7737 361K7307 361K7737 360K1049	DIODE EGOIZ VI DIODE RGICVI DIODE EGOIZ VI
D5514 D5516 D5517 D5518 D5519	361K7737 360K1049 360K1049	DIODE EGOIZ VI
D5516 D5517 D5518 D5519	360K1049 360K1049	
D5518 D5519		
D5519	360K1049	DIODE ISS270A TA DIODE ISS270A TA
	360K1049	DIODE ISS270A TA
D5520 D5521	360K1049 360K1049	DIODE 188270A TA DIODE 188270A TA
D5522	360K1049	DIODE ISS270A TA
D701 D7501	361K7522 36CB0213	DIODE ERA15-02 VI DIODE DAN212K-T146
D7502 D7503	36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146
D7504	36CB0213	DIODE DAN212K-T146
D7505	361K7522	DIODE ERAIS-02 VI
D7506 D7507	361K7522 36CB0213	DIODE ERA15-02 VI DIODE DAN212K-T146
D7508	36CB0213	DIODE DAN212K-T146
D8001 D8002	36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146
D8003 D8004	36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146
D8005	36CB0213	DIODE DAN212K-T146
D8006	36CB0213	DIODE DAN212K-T146
D8007 D8008	360K1037 361K8232	DIODE 1883 DIODE RB721Q-T72
D8009 D801	361K8232 36CB0213	DIODE RB721Q-T72 DIODE DAN212K-T146
D8010	361K8232	DIODE RB721Q-T72
D8011	361K7522 36CB0213	DIODE ERAIS-02 VI DIODE DAN212K-T146
D802 D803	36CB0213	DIODE DAN212K-T146
D804	36CB0213	DIODE DAN212K-T146
D805	36CB0213	DIODE DAN212K-T146

SYMBOL	PARTS NO	DESCRIPTION
D806	36CB0213	DIODE DAN212K-T146
D8101	36CB0213	DIODE DAN212K-T146
D8102	361K8232	DIODE RB721Q-T72
D8103	360K1025	DIODE 1SS133
08104	360K1025	DIODE 1SS133
08105	360K1037	DIODE 1SS83
08106	360K1037	DIODE 1SS83
08107	360K1037	DIODE 1SS83
08108	360B0213	DIODE DAN212K-T146
D8109	361K8232	DIODE RB721Q-T72
D811	36CB0213	DIODE DAN212K-T146
D8110	360K1025	DIODE 1SS133
D8111	360K1025	DIODE 1SS133
D8112	360K1037	DIODE 1SS83
D8113	360K1037	DIODE 1SS83
D8114	360K1037	DIODE 1SS83
D8115	360B0213	DIODE DAN212K-T146
D8116	361K8232	DIODE RB721Q-T72
D8117	360K1025	DIODE 1SS133
D8118	360K1025	DIODE 1SS133
D8119	360K1037	DIODE 1SS83
D812	36CB0213	DIODE DAN212K-T146
D8120	360K1037	DIODE 1SS83
D8121	360K1037	DIODE 1SS83
D813	36C80213	DIODE DAN212K-T146
D814	36C80213	DIODE DAN212K-T146
D815	36C80213	DIODE DAN212K-T146
D816	36C80213	DIODE DAN212K-T146
D817	36C80213	DIODE DAN212K-T146
D818	36CB0213	DIODE DAN212K-T146
D819	36CB0213	DIODE DAN212K-T146
D820	36CB0213	DIODE DAN212K-T146
D821	36CB0213	DIODE DAN212K-T146
D822	36CB0213	DIODE DAN212K-T146
D823	36CB0213	DIODE DAN212K-T146
D824	36CB0213	DIODE DAN212K-T146
D825	36CB0213	DIODE DAN212K-T146
D826	36CB0213	DIODE DAN212K-T146
D827	36CB0213	DIODE DAN212K-T146
D828	36CB0213	DIODE DAN212K-T146

SYMBOL	PARTS NO	DESCRIPTION
D829	36CB0213	DIODE DAN212K-T146
D830	36CB0213	DIODE DAN212K-T146
D831	36CB0213	DIODE DAN212K-T146
D832	36CB0213	DIODE DAN212K-T146
D833	36CB0213	DIODE DAN212K-T146
D834	36CB0213	DIODE DAN212K-T146
D835	36CB0213	DIODE DAN212K-T146
D836	36CB0213	DIODE DAN212K-T146
D837	36CB0213	DIODE DAN212K-T146
D838	36CB0213	DIODE DAN212K-T146
D839	36CB0213	DIODE DAN212K-T146
D840	36CB0213	DIODE DAN212K-T146
D841	36CB0213	DIODE DAN212K-T146
D842	36CB0213	DIODE DAN212K-T146
D843	36CB0213	DIODE DAN212K-T146
D844	36CB0213	DIODE DAN212K-T146
ZD1011	36BB0093	DIODE RD4.7MB1-T2B(180°)
ZD1012	36BB0101	DIODE RD5.6MB2-T2B(180°)
ZD1013	36BB0093	DIODE RD4.7MB1-T2B(180°)
ZD1015 ZD1017 ZD1018 ZD1019 ZD1020	36B80093 36B80093 36B80061 368B0061 36B80061	DIODE RD4.7MB1-T2B(180°) DIODE RD4.7MB1-T2B(180°) DIODE RD12MB-T2B DIODE RD12MB-T2B DIODE RD12MB-T2B
ZD1021	36880061	DIODE R012MB-T28
ZD1022	36880061	DIODE R012MB-T2B
ZD1023	36880061	DIODE R012MB-T2B
ZD1024	36880061	DIODE R012MB-T2B
ZD1025	36880061	DIODE R012MB-T2B
ZD1036 ZD1040 ZD1041 ZD1242 ZD1301	36BB0093 36BB0085 36BB0086 36BB0097 36BB0122	DIODE RD4.7MB1-T28(180°) DIODE RD3.3MB2-T28(180°) DIODE RD3.6MB-T28(180°) DIODE RD5.1MB2-T28(180°) DIODE RD10MB2-T28(180°)
ZD1401 ZD1404 ZD1405 ZD1406 ZD2001	36880108 36880108 36880061 36880108 360K3671	DIODE RD6.8MB2-T2B(180°) DIODE RD6.8MB2-T2B(180°) DIODE RD12MB-T2B DIODE RD6.8MB2-T2B(180°) DIODE RD12ES AB2-T4
ZD2002	360K3634	DIODE RD5.1ESB(1)-T4

SYMBOL	PARTS NO	DESCRIPTION
ZD2003 ZD5002 ZD5003 ZD5004	360K3634 360K3643 360K3654 360K3623	DIODE RD5.1ES8(1)-T4 DIODE RD6.2ES AB2-T4 DIODE RD8.2ES AB1-T4 DIODE RD3.9ESB(1)-T4
ZD5007 ZD5008 ZD5009 ZD5010 ZD5501	360K3662 360K3658 360K3658 360K3634 360K3671	DIODE RD10ESB(1)-T4 DIODE RD9.1ESB(1)-T4 DIODE RD9.1ESB(1)-T4 DIODE RD5.1ESB(1)-T4 DIODE RD12ES A82-T4
Z05502 Z05503 Z07201 Z07202 Z07501	360K3688 360K3635 368B0098 368B0088 368B0098	DIODE RD18ES AB3-T4 DIODE RD5.1ESB(2)-T4 DIODE RD5.1MB3-TZB(180°) DIODE RD3.6MB2-TZB(180°) DIODE RD5.1MB3-TZB(180°)
Z07502 Z07503 Z07504 Z07505 Z07506	36BB0071 36BB0071 36BB0071 36BB0071 36BB0071	DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°)
ZD7507 ZD7508 ZD7509 ZD7510 ZD7511	36BB0071 36BB0071 36BB0071 36BB0071 36BB0071	DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°)
ZD7512 ZD7513 ZD7514 ZD7515 ZD7516	36880071 36880071 36880071 36880071 36880071	DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°)
ZD7517 ZD8002 ZD8003 ZD8004 ZD8005	36880071 36880108 36880108 36880097 36880105	DIODE RD15MB2-T2(180°) DIODE RD6.8MB2-T2B(180°) DIODE RD6.8MB2-T2B(180°) DIODE RD5.1MB2-T2B(180°) DIODE RD6.2MB2-T2B(180°)
ZD8006 ZD8007 ZD8008 ZD801 ZD802	36880105 36880105 36880105 36880099 36880099	DIODE RD6.2M82-T28(180°) DIODE RD6.2M82-T28(180°) DIODE RD6.2M82-T28(180°) DIODE RD5.6M8-T28(180°) DIODE RD5.5M8-T28(180°)
ZD803	36BB0099	DIODE RD5.6MB-T2B(180°)

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SYMBOL	PARTS NO	DESCRIPTION
ZD804 ZD805	368B0099 368B0097	DIODE RD5.6MB-T2B(180°) DIODE RD5.1MB2-T2B(180°)
ZD806 ZD807	36880099 36880099	DIODE RD5.6MB-T28(180°) DIODE RD5.6MB-T28(180°)
*** TR	NSFORMERS >	***
L5002 L5006	46207001 46316606	COIL, CHOKE 2MH
T5002 T5003	47105429 46316604	F.B.T(MSU1FHN49) TRANS, DYNAMIC FOCUS
T5501 T5502	47710022 45805001	TRANS, H. OUT
	RIABLE RESISTO	
		r
VR1001 VR1201	41505205 41071222	R.VARIABLE B5.0K
VR1301 VR1401	41071213	R.VARIABLE BIOK R.VARIABLE B4.7K
VR2001	41505210	R.VARIABLE B200K
VR2002 VR7201	41505107 410G1210	R.VARIABLE B5K R.VARIABLE B3.3K
VR7202 VR7401	410G1210 410G1205	R.VARIABLE B3.3K R.VARIABLE B470
VR8001	41061222	R.VARIABLE B330K
	AYS & SWITCHE	S ***
RL5501 RL5502	65602521 65602521	RELAY G6C-1114P RELAY G6C-1114P
RL5503 RL5504	65602521 65602521	RELAY G6C-1114P RELAY G6C-1114P
RL5505	65602157	RELAY
RL8101 RL8102	65602571 65602571	RELAY G6E-134P-US.DC12V RELAY G6E-134P-US.DC12V
RL8103 SW1001	65602571 653F1038	RELAY GGE-134P-US.DC12V
\$101	65313308	PUSH SWITCH BUTTON
S102 S103	65361049 65361049	SW.TACT SW.TACT
\$104 \$105	65361049 65361049	SW, TACT SW, TACT
\$106	65361049	SW,TACT

SYMBOL	PARTS NO	DESCRIPTION
\$107	65361049	SW.TACT
\$1401	65113508	SWITCH.SLIDE
\$701	65113270	SWITCH.SLIDE
\$702	65113270	SWITCH.SLIDE
\$703	65113270	SWITCH.SLIDE
\$7501	65121105	SWITCH, SLIDE
\$801	65113270	SWITCH, SLIDE
\$802	65113270	SWITCH, SLIDE
\$803	65113270	SWITCH, SLIDE
\$804	65113508	SWITCH, SLIDE
*** CO	LS & FILTERS	***
CF7201 DL7201 DL7202 DL7203	39603402 611A1008 61511048 61EA1638 61EA1639	FOCUS CONTROL VOLUME CERAMIC TRAP DELAY LINE 0.3US DELAY LINE 0.1US DELAY LINE 0.25US
F85001	61605005	FERRITE BEADS 5*10*1.8
F85002	61605005	FERRITE BEADS 5*10*1.8
F85501	61605008	FERRITE BEADS 3.5*5*1.3
F85502	61605008	FERRITE BEADS 3.5*5*1.3
F85503	61605008	FERRITE BEADS 3.5*5*1.3
FL7401	39KB6276	L.P.F 8MHZ TH355LSJ-5728
FL7402	39KB6276	L.P.F 8MHZ TH355LSJ-5728
FL7403	39KB6276	L.P.F 8MHZ TH355LSJ-5728
FL801	616K6814	NOIZE FILTER
FL802	616K6814	NOIZE FILTER
FL803	616K6814	NOIZE FILTER
FL804	616K6814	NOIZE FILTER
FL805	616K6823	NOISE FILTER
FL806	616K6814	NOIZE FILTER
FL807	616K6823	NOISE FILTER
FL808 FL809 FL8100 FL8101 FL8102	616K6814 616K6814 61605007 61605007 61605007	NOIZE FILTER NOIZE FILTER FERRITE BEADS 2.5*1.2*0.7 FERRITE BEADS 2.5*1.2*0.7 FERRITE BEADS 2.5*1.2*0.7
L1001 L1002	610F7514 610F7514	COIL, FILTER 5.6UH

SYMBOL	PARTS NO	DESCRIPTION
L101 L1010 L1020	610E1743 610F7514 610F7529	COIL,FILTER 1500UH COIL,FILTER 5.6UH COIL,FILTER 100UH
L5001 L5003 L5004 L5005 L5501	610G0233 61099118 61099140 61099140 60917073	FILTER CHOKE PJ8T-470K FILTER COIL COIL,FILTER 100L PI10 COIL,FILTER 100L PI10 COIL,H.LIN
L5502 L5503 L5504 L5505 L7201	60917073 61099126 61099141 61099118 610E1710	COIL,H.LIN COIL,FILTER 330UH COIL,CHOKE FILTER COIL COIL,FILTER 2.7UH
L7202 L7203 L7204 L7205 L7206	610E1727 610E1728 610E1720 610E1725 610E1725	COIL,FILTER 68UH COIL,FILTER 82UH COIL,FILTER 18UH COIL,FILTER 47UH COIL,FILTER 47UH
L7207 L7208 L7209 L7210 L7211	610E1725 610E1725 610E1725 610E1723 610E1724	COIL, FILTER 47UH COIL, FILTER 47UH COIL, FILTER 47UH COIL, FILTER 39UH COIL, FILTER 39UH
L7212 L7213 L7401 L7402 L7403	610E1725 610E1725 610E1731 610E1733 610E1733	COIL, FILTER 47UH COIL, FILTER 47UH COIL, FILTER 150UH COIL, FILTER 220UH COIL, FILTER 220UH
L7404 L8001 L8101 L8103 L8104	610E1733 610E1705 610E1705 610E1746 610E1705	COIL, FILTER 220UH COIL, FILTER 1.0UH COIL, FILTER 1.0UH COIL, FILTER 1.0UH COIL, FILTER 1.0UH
L8106 L8107 L8109 L901 L902	610E1746 610E1705 610E1746 610E1750 610E1750	COIL, FILTER 0.22UH COIL, FILTER 1.0UH COIL, FILTER 0.22UH COIL, FILTER 0.47UH COIL, FILTER 0.47UH
L903	610E1750	COIL, FILTER 0.47UH

SYMBOL	PARTS NO	DESCRIPTION
T5503 T5504 T5505 T5506	60917089 60917089 60917089 60917089	COIL,LIN COIL,LIN COIL,LIN COIL,LIN
WI DEG X1003 X7203 X7401	61329102 61111015 61111805 61111015	COIL, DEGAUSSING CERAMIC OSC CSB500F2 CERAMIC OSC CSB503F30 CERAMIC OSC CSB500F2
*** PWE	ASSYS ***	
	933D4DA2 933D4DB2 933D4G02 933D4TA2 933D4TB2 933D4F02 933D4H02	DEF PWB ASSY SW-LED PWB ASSY V-CRT PWB ASSY VIDEO I/O PWB ASSY RGB OUT PWB ASSY CPU/OSC PWB ASSY HV PWB ASSY
*** ELE	CTRICAL PARTS	& MISCELLANEOUS PARTS ***
	31710044 31710045 63010112 68043001 70800033	FAN MOTOR FAN MOTOR SPEAKER 90*55 16H 5W ALN BATTERY.DRY CELL SUM-3 LINE CORD
D.Y FR5501 FR5502	79644641 79644841 48007486 39030098 39030098	RD-346E POWER UNIT DEFLECTION YOKE R.NETWORK 4*4.7K 5% 1/8W R.NETWORK 4*4.7K 5% 1/8W
1C2001 M701 M703 M704 M705	79644661 71123500 70057312 70057008 71123500	HV CONTROL UNIT BOARD,BNC SOCKET,DIN 4P TCS7949 DIN SOCKET 4P BOARD,BNC
M707 M708 M709 M710 M711	70057312 70057008 70051827 70051827 70051827	SOCKET.DIN 4P TCS7949 DIN SOCKET 4P JACK,PIN 4P JPJ0918 JACK,PIN 4P JPJ0918 JACK,PIN 4P JPJ0918
M721 M7501 M7502	71199046 70056200 70056200	PUSH TERMINAL (4P) D-SUB SOCKET (15PIN) D-SUB SOCKET (15PIN)

SYMBOL	PARTS NO	DESCRIPTION
	T	
M7503 M7504	70505027 70505027	HEADPHONE JACK
M801 M802 M803 SG/CRT SG5001	70056200 70056475 71123501 70032272 66706003	D-SUB SOCKET (15PIN) CONNECTOR, D-SUB BOARD, BNC SG/CRT SOCKET SPARK GAP 2.0KV
SG901 SG902 SG903 SG904 SG905	66706001 66706001 66706001 66706001 66706001	SPARK GAP 1.2KV SPARK GAP 1.2KV SPARK GAP 1.2KV SPARK GAP 1.2KV SPARK GAP 1.2KV
\$K1004 \$K1006 \$K1010 X1001 X1002	70102924 70102141 70102924 64098039 640J9218	SOCKET,IC 64P SOCKET,IC 8P SOCKET,IC 64P X'TAL(10.000MHZ) X'TAL OSC 9.8304MHZ
X7201 X7202 X7402 X7403	64003027 64003022 64099203 64099202	X'TAL 4.43MHZ(NDK) X'TAL OSC 3.58MHZ X'TAL OSC 14.318MHZ X'TAL OSC 17.73MHZ(KDS)
*** APF	PEARANCE PARTS	S ***
ı	70301534 70301536 70301537 24B15751	RUBBER WEDGE FERRITE SHEET FERRITE SHEET(60MM) LED SPACER(H95)
:	24C00111 24DT6161 24DT6171 24D08453 24D10121	CLAMPER, WIRE (D15) FRONT CABINET ASSY BACK COVER ASSY CABINET FRONT PANEL
	24D10131 24F25001 24F25011 24F25021 24F27761	BACK COVER ADHESIVE PIECE A ADHESIVE PIECE B ADHESIVE PIECE C INDICATOR(POW)
	24F27801 24F27931 24GT1381 24G04461 24G04471	HANDLE CHASSIS BASE BUTTON(POW)ASSY BUTTON(CTL) BUTTON(POW)

SYMBOL	PARTS NO	DESCRIPTION
	24H25771 24H25781 24H25791 24J06871 24J07371	SIDE FRAME(R) SIDE FRAME(L) BACK FRAME RUBBER FOOT A CUSHION SHEET(17*140*0.5)
	24J07382 24J07442 24J12321 24K23081 24K23091	CUSHION SHEET (90*22*0.35) SHEET (FRONT) CUSHION (30*27*T17) INLAY (TERMINAL) INLAY (SENSOR)
	24L37861	SPEC PLATE
*** PR	INTED & PACKI	NG MATERIALS ***
	24806961 24813191 24MU1071 24MU1081 24MU2101 24MU9081 78408481	BAG,POLYETHYLENE(270*370) BAG,POLYETHYLENE(150*370) SPACER(T) SPACER(B) CARTON BOX BAG,PROTECTION USER'S MANUAL
*** RE	SISTORS ***	
R1150 R1170 R1171 R1172 R1188	40166109 40178135 40178135 40178135 40372137	R.CARBON 2.2H 5% 1/4W R.CARBON 27H 5% R.CARBON 27H 5% R.CARBON 27H 5% R.CARBON 27H 5% R.METAL 33H 5% 2W
R1210 R1211	401H5661 401G6109	R,CARBON 330H 5% 1/2W R,CARBON 2.2H 5% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
R1234	401G6109	R,CARBON 2.2H 5% 1/4W
R1239	40178133	R,CARBON 22H 5% 1/2W
R1295	40373143	R,METAL 56H 5% 3W
R1308	40373107	R,METAL 1.8H 5% 3W
R1309	40166141	R,CARBON 47H 5% 1/4W
R1426	40372169	R,METAL 680H 5% 2W
R1427	40371101	R,METAL 1.0H 5% 1W
R1428	404C1717	R,METAL 68K 1% 1/6W
R1429	401H5721	R.CARBON 100K 5% 1/2W
R1430	40372157	R.METAL 220H 5% 2W
R2001	404C1742	R.METAL 750K 1% 1/6W
R2002	404C1725	R.METAL 150K 1% 1/6W
R2004	401K5683	R.CARBON 2.7K 5% 1/6W
R2005	401K5697	R.CARBON 10K 5% 1/6W
R2006	404C1696	R.METAL 9.1K 1% 1/6W
R2007	404C1697	R.METAL 10K 1% 1/6W
R2008	404C1721	R.METAL 100K 1% 1/6W
R2009	401K5709	R.CARBON 33K 5% 1/6W
R2010	404C1711	R.METAL 39K 1% 1/6W
R2011	404C1677	R.METAL 1.5K 1% 1/6W
R2012	404C1697	R.METAL 10K 1% 1/6W
R2013	401K5721	R.CARBON 100K 5% 1/6W
R2014	401K5697	R.CARBON 10K 5% 1/6W
R5001	401C6695	R.CARBON 8.2K 5% 1/4W
R5002	401K5693	R.CARBON 6.8K 5% 1/6W
R5003	401G6125	R.CARBON 10H 5% 1/4W
R5004	401C6685	R.CARBON 3.3K 5% 1/4W
R5005	401K5649	R.CARBON 100H 5% 1/6W
R5006	401K5633	R.CARBON 22H 5% 1/6W
R5007	401K5633	R.CARBON 22H 5% 1/6W
R5008	401K5633	R.CARBON 22H 5% 1/6W
R5009	401K5633	R.CARBON 22H 5% 1/6W
R5010	401K5633	R.CARBON 22H 5% 1/6W
R5011	401K5633	R.CARBON 22H 5% 1/6W
R5012	401K5633	R.CARBON 22H 5% 1/6W
R5013	40371103	R.METAL 1.2H 5% 1W
R5014	404K8718	R.METAL 75K 1% 1/4W
R5015	401K5609	R.CARBON 2.2H 5% 1/6W
R5016	404KB718	R.METAL 75K 1% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
	·	
R5017	401C6641	R.CARBON 47H 5% 1/4W
R5018	404C1697	R.METAL 10K 1% 1/6W
R5019	401K5673	R, CARBON 1.0K 5% 1/6W
R5020	401K5673	R, CARBON 1.0K 5% 1/6W
R5021	401K5709	R, CARBON 33K 5% 1/6W
R5022	401K5721	R, CARBON 100K 5% 1/6W
R5023	401K5721	R, CARBON 100K 5% 1/6W
R5024	401K5709	R. CARBON 33K 5% 1/6W
R5025	401K5721	R. CARBON 100K 5% 1/6W
R5026	401K5721	R, CARBON 100K 5% 1/6W
R5027	401K5709	R. CARBON 33K 5% 1/6W
R5028	401K5715	R. CARBON 56K 5% 1/6W
R5029	401K5633	R, CARBON 22H 5% 1/6W
R5030	401K5697	R, CARBON 10K 5% 1/6W
R5031	40106633	R, CARBON 22H 5% 1/4W
R5034	401K5697	R, CARBON 10K 5% 1/6W
R5035	401K5701	R, CARBON 15K 5% 1/6W
R5036	401K5697	R.CARBON 10K 5% 1/6W
R5038	401K5699	R.CARBON 12K 5% 1/6W
R5039	401K5673	
R5040	401K5673	R, CARBON 1.0K 5% 1/6W
R5041	401K5709	R,CARBON 33K 5% 1/6W
R5042	40371337	R,METAL 0.47H 5% 1W
R5043	401K5685	R.CARBON 3.3K 5% 1/6W
R5044	401H5725	R.CARBON 150K 5% 1/2W
R5045	401C6633	R.CARBON 22H 5% 1/4W
R5046	40372333	R.METAL 0.33H 5% 2W
R5047	40372333	R.METAL 0.33H 5% 2W
R5051	401K5701	R,CARBON 15K 5% 1/6W
R5055	401G6101	R,CARBON 1.0H 5% 1/4W
R5057	401K5697	R,CARBON 10K 5% 1/6W
R5058	401K5697	R.CARBON 10K 5% 1/6W
R5059	401K5697	R.CARBON 10K 5% 1/6W
R5060	401K5673	R,CARBON 1.0K 5% 1/6W
R5061	404C1693	R.METAL 6.8K 1% 1/6W
R5062	40373151	R.METAL 120H 5% 3W
R5063	40373151	R.METAL 120H 5% 3W
R5064	404K2721	R.METAL 100K 5% 1/4W
R5065	40166133	R,CARBON 22H 5% 1/4W
R5068	401K5697	R, CARBON 10K 5% 1/6W

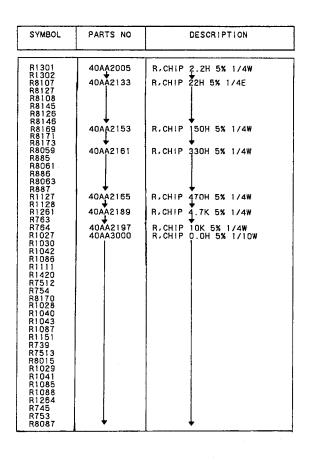
SYMBOL	PARTS NO	DESCRIPTION
R5069	401H5721	R,CARBON 100K 5% 1/2W
R5070	40372185	R,METAL 3.3K 5% 2W
R5071	40371141	R,METAL 47H 5% 1W
R5072	40371141	R,METAL 47H 5% 1W
R5073	404CA657	R.METAL 220H 1% 1/6W
R5074	401C6693	R.CARBON 6.8K 5% 1/4W
R5075	40372213	R.METAL 47K 5% 2W
R5076	401K5729	R.CARBON 220K 5% 1/6W
R5077	404C1671	R.METAL 820H 1% 1/6W
R5078	404K2713	R,METAL 47K 1% 1/4W
R5079	404K2713	R.METAL 47K 1% 1/4W
R5080	401G6173	R.CARBON 1.OK 5% 1/4W
R5081	404C1721	R.METAL 100K 1% 1/6W
R5082	404C1697	R.METAL 10K 1% 1/6W
R5083	400B3677	R.SOLID 1.5K 5% 1/2W
R5084	401K5697	R.CARBON 10K 5% 1/6W
R5086	401G6149	R.CARBON 10GH 5% 1/4W
R5089	401K5697	R.CARBON 10K 5% 1/6W
R5090	40371211	R.METAL 39K 5% 1W
R5092	401K5673	R,CARBON 1.0K 5% 1/6W
R5093	40371161	R.METAL 330H 5% 1W
R5096	401K5641	R.CARBON 47H 5% 1/6W
R5098	401C6633	R,CARBON 22H 5% 1/4W
R5099	401C6633	R,CARBON 22H 5% 1/4W
R5100	404C1721	R.METAL 100K 1% 1/6W
R5101	40224267	R.WIRE 560H 5% 7W
R5102	40224267	R.WIRE 560H 5% 7W
R5103	40224239	R.WIRE 39H 5% 7W
R5105	40224245	R.WIRE 68H 5% 7W
R5106	40224239	R.WIRE 39H 5% 7W
R5107	40224239	R.WIRE 39H 5% 7W
R5108	40224239	R.WIRE 39H 5% 7W
R5109	401K5689	R.CARBON 4.7K 5% 1/6W
R5110	40371189	R.METAL 4.7K 5% 1W
R5111	40373203	R.METAL 18K 5% 3W
R5112	40373197	R.METAL 10K 5% 3W
R5113	404C1729	R.METAL 22OK 1% 1/6W
R5114	404C1703	R.METAL 18K 1% 1/6W
R5115	404C1679	R.METAL 1.8K 1% 1/6W
R5116	40401719	R.METAL 82K 1% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R5117	401K5697	R.CARBON 10K 5% 1/6W
R5118	401K5697	R.CARBON 10K 5% 1/6W
R5119	401K5697	R.CARBON 10K 5% 1/6W
R5120	401K5697	R.CARBON 10K 5% 1/6W
R5121	404C1697	R,METAL 10K 1% 1/6W
R5122	404C1687	R,METAL 3.9K 1% 1/6W
R5123	404C1669	R,METAL 680H 1% 1/6W
R5124	401K5665	R,CARBON 470H 5% 1/6W
R5125	40372213	R,METAL 47K 5% 2W
R5126	404C1655	R.METAL 180H 1% 1/6W
R5128	40372185	R.METAL 3.3K 5% 2W
R5129	401K5643	R.CARBON 56H 5% 1/6W
R5130	40175149	R.CARBON 100H 5% 1/4W
R5131	401K5665	R.CARBON 470H 5% 1/6W
R5132	401K5641	R,CARBON 47H 5% 1/6W
R5502	404C1697	R.METAL 10K 1% 1/6W
R5503	404C1691	R.METAL 5.6K 1% 1/6W
R5506	404C1697	R.METAL 10K 1% 1/6W
R5507	401K5713	R.CARBON 47K 5% 1/6W
R5508	401K5691	R,CARBON 5.6K 5% 1/6W
R5509	401C6733	R,CARBON 330K 5% 1/4W
R5510	401K5689	R,CARBON 4.7K 5% 1/6W
R5511	401K5699	R,CARBON 12K 5% 1/6W
R5512	401K5673	R,CARBON 1.0K 5% 1/6W
R5513	401H5677	R.CARBON 1.5K 5% 1/2W
R5514	40373199	R.METAL 12K 5% 3W
R5515	401K5673	R.CARBON 1.0K 5% 1/6W
R5516	401K5681	R.CARBON 2.2K 5% 1/6W
R5517	401K5693	R.CARBON 6.8K 5% 1/6W
R5518	401K5693	R,CARBON 6.8K 5% 1/6W
R5519	40371197	R.METAL 10K 5% 1W
R5520	401K5735	R.CARBON 39OK 5% 1/6W
R5521	40373155	R.METAL 180H 5% 3W
R5522	40373155	R.METAL 180H 5% 3W
R5523	40373155	R.METAL 180H 5% 3W
R5524	40373181	R.METAL 2.2K 5% 3W
R5525	40373181	R.METAL 2.2K 5% 3W
R5526	40166109	R.CARBON 2.2H 5% 1/4W
R5527	40373111	R.METAL 2.7H 5% 3W
R5528	40373111	R.METAL 2.7H 5% 3W

SYMBOL	PARTS NO	DESCRIPTION
R5529	40373111	R.METAL 2.7H 5% 3W
R5530	401K5633	R.CARBON 22H 5% 1/6W
R5531	401G6109	R.CARBON 2.2H 5% 1/4W
R5532	401G6109	R.CARBON 2.2H 5% 1/4W
R5533	401H5681	R,CARBON 2.2K 5% 1/2W
R5534	40372137	R,METAL 33H 5% 2W
R5536	401K5713	R,CARBON 47K 5% 1/6W
R5537	401K5713	R,CARBON 47K 5% 1/6W
R5538	401K5697	R,CARBON 10K 5% 1/6W
R5539	401K5705	R,CARBON 22K 5% 1/6W
R5540	401K5697	R,CARBON 10K 5% 1/6W
R5541	401K5697	R,CARBON 10K 5% 1/6W
R5542	401K5705	R,CARBON 22K 5% 1/6W
R5543	401K5701	R,CARBON 15K 5% 1/6W
R5544 R5545 R5546 R5547 R5548	401K5701 401K5701 401K5701 401K5701 401K5701 401K5697	R.CARBON 15K 5% 1/6W R.CARBON 15K 5% 1/6W R.CARBON 15K 5% 1/6W R.CARBON 15K 5% 1/6W R.CARBON 10K 5% 1/6W
R5549	401K5701	R,CARBON 15K 5% 1/6W
R5550	401K5701	R,CARBON 15K 5% 1/6W
R5553	401K5655	R,CARBON 18OH 5% 1/6W
R5554	401K5655	R,CARBON 18OH 5% 1/6W
R5556	401K5655	R,METAL 1.0K 5% 2W
R5557	40372159	R,METAL 270H 5% 2W
R5558	40372159	R,METAL 270H 5% 2W
R5559	40372159	R,METAL 47H 5% 1W
R5560	40371141	R,METAL 47H 5% 1W
R5561	40371141	R,METAL 47H 5% 1W
R5562	40371141	R.METAL 47H 5% 1W
R5569	40401734	R.METAL 360K 1% 1/6W
R5570	40401721	R.METAL 100K 1% 1/6W
R5571	40401726	R.METAL 160K 1% 1/6W
R5574	401K5693	R.CARBON 6.8K 5% 1/6W
R5575	404C1732	R.METAL 300K 1% 1/6W
R5577	404C1713	R.METAL 47K 1% 1/6W
R5578	404C1743	R.METAL 820K 1% 1/6W
R5580	401K5693	R.CARBON 6.8K 5% 1/6W
R5581B	401KE649	R.CARBON 100H 5% 1/6W
R5582	401K5649	R.CARBON 100H 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R8005	40372135	R/METAL 27H 5% 2W
R8035	40371163	R/METAL 390H 5% 1W
R805	40178159	R/CARBON 270H 5% 1/2W
R806	40405109	R/METAL 2.2H 5% 1/4W
R8103	40371139	R.METAL 39H 5% 1W
R8111	401H5661	R.CARBON 330H 5% 1/2W
R8112	40224189	R.WIRE 4.7K 5% 5W
R8113	40224191	R.WIRE 5.6K 5% 5W
R8114	40224192	R.WIRE 5.6K 5% 5W
R8115	40224285	R.WIRE 3.3K 5% 7W
R8116	40224285	R.WIRE 3.3K 5% 7W
R8117	40224285	R.WIRE 3.3K 5% 7W
R8122	40371139	R.METAL 39H 5% 1W
R8130	401H5661	R.CARBON 330H 5% 1/2W
R8131	40224189	R,WIRE 4.7K 5% 5W
R8132	40224191	R,WIRE 5.6K 5% 5W
R8133	40224192	R,WIRE 6.2K 5% 5W
R8134	40224285	R,WIRE 3.3K 5% 7W
R8135	40224285	R,WIRE 3.3K 5% 7W
R8136	40224285	R,WIRE 3.3K 5% 7W
R8141	40371139	R,METAL 39H 5% 1W
R8149	401H5661	R,CARBON 33OH 5% 1/2W
R8150	40224189	R,WIRE 4.7K 5% 5W
R8151	40224191	R,WIRE 5.6K 5% 5W
R8152 R8153 R8154 R8155 R863	40224192 40224285 40224285 40224285 40405125	R.WIRE 6.2K 5% 5W R.WIRE 3.3K 5% 7W R.WIRE 3.3K 5% 7W R.WIRE 3.3K 5% 7W R.WIRE 3.3K 5% 7W R.METAL 10H 5% 1/4W
R865	40405109	R,METAL 2.2H 5% 1/4W
R901	401H5649	R,CARBON 100H 5% 1/2W
R902	401H5673	R,CARBON 1.0K 5% 1/2W
R903	401H5649	R,CARBON 1.0H 5% 1/2W
R904	401H5673	R,CARBON 1.0K 5% 1/2W
R905	401H5649	R.CARBON 100H 5% 1/2W
R906	401H5673	R.CARBON 1.0K 5% 1/2W
R907	401H5673	R.CARBON 1.0K 5% 1/2W
R908	401H5721	R.CARBON 100K 5% 1/2W

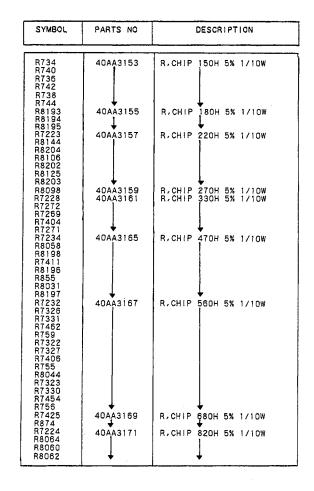
SYMBOL	PARTS NO	DESCRIPTION
R5583	401K5649	R.CARBON 100H 5% 1/5W
R5584	401K5649	R.CARBON 100H 5% 1/6W
R5585	401K5649	R.CARBON 100H 5% 1/6W
R5586	401K5649	R.CARBON 100H 5% 1/6W
R5587	401K5649	R,CARBON 100H 5% 1/6W
R5588	401K5683	R,CARBON 2.7K 5% 1/6W
R5589	401K5649	R,CARBON 100H 5% 1/6W
R5590	401G6137	R,CARBON 33H 5% 1/4W
R5591	401K5713	R,CARBON 47K 5% 1/6W
R5592 R5593 R5594 R5596 R5597	401K5713 401K5713 401K5713 401K5713 401G6109 40371155	R,CARBON 47K 5% 1/6W R,CARBON 47K 5% 1/6W R,CARBON 47K 5% 1/6W R,CARBON 2.2H 5% 1/4W R,METAL 180H 5% 1W
R5598	401K5633	R,CARBON 22H 5% 1/6W
R5599	401K5633	R,CARBON 22H 5% 1/6W
R5600	401K5633	R,CARBON 22H 5% 1/6W
R5604	40372137	R,METAL 33H 5% 2W
R5605	40178173	R,CARBON 1.0K 5% 1/2W
R5607	401K5625	R,CARBON 10H 5% 1/6W
R5608	401K5625	R,CARBON 10H 5% 1/6W
R5609	401C6679	R,CARBON 1.8K 5% 1/4W
R5610	404C1707	R,METAL 27K 1% 1/6W
R5618	40373333	R,METAL 0.33H 5% 3W
R5640	401K5743	R,CARBON 820K 5% 1/6W
R5641	401K5743	R,CARBON 820K 5% 1/6W
R5642	401K5743	R,CARBON 820K 5% 1/6W
R5643	401K5743	R,CARBON 820K 5% 1/6W
R5644	401K5743	R,CARBON 820K 5% 1/6W
R5645	401K5743	R,CARBON 820K 5% 1/6W
R5646	401K5743	R,CARBON 820K 5% 1/6W
R7308B	401K5690	R,CARBON 5.1K 5% 1/6W
R7310	40371155	R,METAL 180H 5% 1W
R7340	40372143	R,METAL 56H 5% 2W
R7341	40372143	R.METAL 56H 5% 2W
R7342	40372131	R.METAL 18H 5% 2W
R7343	40372131	R.METAL 18H 5% 2W
R7506	40405109	R.METAL 2.2H 5% 1/4W
R769	40371117	R.METAL 4.7H 5% 1W
R8004	40372135	R.METAL 27H 5% 2W



SYMBOL	PARTS NO	DESCRIPTION
R7424 R844 R838	40AA3125	R,CHIP 10H 5% 1/10W
R841 R7209 R7260 R7333 R757 R8104 R8205 R7256 R7468 R758 R8123 R8123 R8123 R7469 R7469 R7469 R7469 R7469 R7469 R7469 R7469 R7469 R7489 R74	40AA3133	R,CHIP 22H 5% 1/10W
R896 R832 R8860 R884 R897 R891 R895 R898 R7242 R7437 R893 R894	40AA3143 40AA3146	R.CHIP 56H 5% 1/10W R.CHIP 75H 5% 1/10W

SYMBOL	PARTS NO	DESCRIPTION
R75515 R75515 R75518 R75523 R80047 R80947 R80124 R854 R854 R858 R100950 R11107 R111200 R11107 R1112554 R74454 R75516 R75516 R75516 R755121 R75		

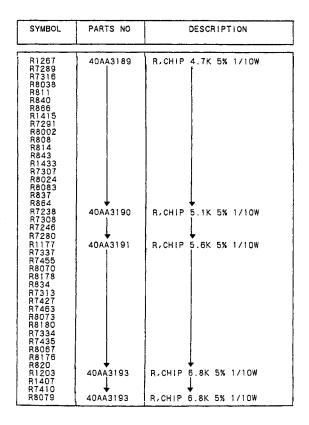
SYMBOL	PARTS NO	DESCRIPTION
R10993 R11098 R110981 R1109961 R11114 R1111218 R111218 R111218 R111218 R111218 R111218 R111218 R111218 R111218 R11218	40AA3149	R,CHIP 100H 5% 1/10W



SYMBOL	PARTS NO	DESCRIPTION
R804573 R805573 R810591 R8100573 R8110092 R81112292 R81112292 R81112245 R81112245 R81112245 R81112245 R81112245 R8112245 R8112245 R8112245 R8112245 R8112245 R8112245 R8112245 R811245 R811245 R8111242 R811133 R811124 R811134 R811124 R811134 R811124 R811134 R811124 R811134 R811134 R811134 R811134 R811134 R811134 R811134 R811134 R811134 R8	40AA3173	R,CHIP 910H 5% 1/10W R,CHIP 1.0K 5% 1/10W

SYMBOL	PARTS NO	DESCRIPTION
R1263 R7309 R1265 R8086 R1403	40AA3181	R.CHIP 2.2K 5% 1/10W
R8159 R1303 R1305	40AA3183	R,CHIP 2.7K 5% 1/10W
R7276 R774265 R7742659 R775520 R8851 R8851 R8851 R8451 R8451 R8452 R8778 R8778 R8778 R8778 R8778 R8778 R8778 R8778 R8778 R8778 R74457 R878 R74459 R74459 R878	40AA3185	R.CHIP 3.3K 5% 1/10W
R879 R1230 R8069 R8096 R1304 R8072 R8066 R8084	40AA3187	R,CHIP 3.9K 5% 1/10W

SYMBOL	PARTS NO	DESCRIPTION
R1090 R1103 R1103 R1117 R11125 R1131 R1134 R1219 R1223 R72367 R7285 R7285 R7285 R7285 R7324 R7409 R746 R7509 R8039 R8039 R8039 R8045 R8186	40AA3173	R.CHIP 1.0K 5% 1/10W
R8081 R867 R1215 R7429 R876 R7471 R873 R1173	40AA3175 40AA3177 40AA3179	R.CHIP 1.2K 5% 1/10W R.CHIP 1.5K 5% 1/10W R.CHIP 1.8K 5% 1/10W
R1249 R1174 R7335 R1175 R7338 R7241 R7290 R7293	40AA3180	R,CHIP 2.0K 5% 1/10W



SYMBOL	PARTS NO	DESCRIPTION
R1228 R7403 R8043 R7415 R7230 R7415 R7296 R8034 R1008 R1025 R12209 R12257 R1260 R12257 R1260 R12257 R1260 R1260 R1208 R7208 R7408 R72505 R7402 R7417 R8017 R	40AA3195 40AA3197	R,CHIP 8.2K 5% 1/10W
R1016 R1019 R1081 R1204 R1216 R1229 R1258 R1290 R1297		Į.

SYMBOL	PARTS NO	DESCRIPTION
R14131 R1431 R72293 R72558 R73103 R74105 R74108 R80907 R80997 R80997 R80997 R80917 R80917 R80917 R80917 R80917 R80917 R80917 R80917 R80917 R80917 R80917 R80917 R80917		
K12256 R1259 R1259 R1401 R1401 R705 R7264 R73016 R73016 R7318 R7416 R73016 R7318 R7412 R7412 R75033 R8010 R8160 R8		

SYMBOL	PARTS NO	DESCRIPTION
R1189 R7430 R8012 R8093 R8179 R1416 R8010 R8010 R8175 R1419 R8011 R8092	40AA3199	R,CHIP 12K 5% 1/10W
R8177 R1180 R7408 R1227 R8003 R1405	40AA3201	R,CHIP 15K 5% 1/10W
R8006 R8006 R8006 R12477 R11479 R12774 R12777 R12815 R112815 R112815 R11275 R11275 R11275 R11280 R11276 R11276 R11276 R11276 R11276 R11276 R11284 R11276 R112884 R112884 R112884 R112884 R112884 R1287 R14128 R1287 R14128	40AA3201 40AA3203 40AA3205	R.CHIP 15K 5% 1/10W R.CHIP 18K 5% 1/10W R.CHIP 22K 5% 1/10W

SYMBOL	PARTS NO	DESCRIPTION
R1437 R8040 R7279 R891 R8016 R1409	40AA3207	R.CHIP 27K 5% 1/10W
R8042 R1425 R8085 R8014	40AA3209	R,CHIP 33K 5% 1/10W
R1432 R1438 R8080	40AA3211	R.CHIP 39K 5% 1/10W
R1001 R1001 R1011 R1011 R1012 R1182 R1002 R1002 R1020 R1020 R1023 R1003 R1003 R1003 R1003 R1003 R1001 R1013 R1013	40AA3213	R.CHIP 47K 5% 1/10W
R1289 R892 R1153 R8068 R8129 R1154 R8071 R8148 R8065	40AA3215	R.CHIP 56K 5% 1/10W
R1251 R1253	40AA3219 40AA3221	R.CHIP 82K 5% 1/10W R.CHIP 100K 5% 1/10W
R7507 R8054	4 0AA3225	R.CHIP 150K 5% 1/10W

		
SYMBOL	PARTS NO	DESCRIPTION
L	L	
R704 R719 R7303 R762 R816 R816 R825 R706 R720 R731 R74133 R767 R817 R822 R828 R721 R721 R7431 R7432 R8109 R8109 R8109 R8109 R8109 R8128 R728 R728 R728 R728 R728 R728 R728 R7	40AA3229 40AA3233 40AA3243	R.CHIP 220K 5% 1/10W R.CHIP 330K 5% 1/10W R.CHIP 820K 5% 1/10W
R1231 R7274 R7278 R7275	40AA3245 40AA3257	R,CHIP 1.0M 5% 1/10W R,CHIP 3.3M 5% 1/10W
R7277 R801 R821 R827 R802 R823 R823 R803 R803	40AB2146	R,CHIP 75H 1% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
R1408	40AB3199	R,CHIP 12K 1% 1/10W
R1235 R1232 R7312	40AB3201 40AB3203	R,CHIP 15K 1% 1/10W R,CHIP 18K 1% 1/10W
R1241 R1242	40AB3205	R,CHIP 22K 1% 1/10W
R1250 R1252 R7311	40AB3209 40AB3211	R,CHIP 33K 1% 1/10W R,CHIP 39K 1% 1/10W
R1213 R1155	40AB3217 40AB3220 40AB3231	R,CHIP 68K 1% 1/10W R,CHIP 91K 1% 1/10W B,CHIP 270K 1% 1/10W

SYMBOL	PARTS NO	DESCRIPTION
R701 R716 R702 R717 R703	40AB3146	R,CHIP 75H 1% 1/10W
R718 R7450	↓ 40AB3157	R,CHIP 220H 1% 1/10W
R7458 R7240 R7239	40AB3159	R.CHIP 270H 1% 1/10W
R7244 R7243 R7434	40AB3165 40AB3167	R,CHIP 470H 1% 1/10W R,CHIP 560H 1% 1/10W
R1212 R8046 R8050	40AB3170 40AB3172	R.CHIP 750H 1% 1/10W R.CHIP 910H 1% 1/10W
R8053 R1246 R7248	40AB3173	R, CHIP .OK 1% 1/10W
R7251 R7225 R7439 R7249 R7446	40AB3175	R,CHIP 1.2K 1% 1/10W
R7252 R7226 R7467 R7448 R7449	40AB3177	R.CHIP 1.5K 1% 1/10W
R8023 R7445	40AB3181 40AB3185	R.CHIP 2.2K 1% 1/10W R.CHIP 3.3K 1% 1/10W
R7447 R1222 R1233	40AB3187	R,CHIP 3.9K 1% 1/10W
R7281 R8199 R8200	40AB3188	R,CHIP 4.3K 1% 1/10W
R8201 R7438 R1152 R1292 R1237 R1217 R1218 R1266	40AB3189 40AB3191 40AB3193 40AB3195 40AB3197	R.CHIP 4.7K 1% 1/10W R.CHIP 5.6K 1% 1/10W R.CHIP 6.8K 1% 1/10W R.CHIP 8.2K 1% 1/10W R.CHIP 10K 1% 1/10W

SYMBOL	PARTS NO	DESCRIPTION	
*** CAP	*** CAPACITORS ***		
C1003	42AA2726	C,CERAMIC 50V 0.01UF	
C1004	42CA1416	C,CERAMIC 50V 10PF	
C1005	42CA1416	C,CERAMIC 50V 10PF	
C1007	42AA2726	C,CERAMIC 50V 0.01UF	
C1008	430B9032	C,ELEC 16V 470UF	
C1009	42AA2726	C,CERAMIC 50V 0.01UF	
C101	430C0047	C,ELEC 16V 47UF	
C1010	42AA2726	C,CERAMIC 50V 0.01UF	
C1011	42AA2726	C,CERAMIC 50V 0.01UF	
C1012	42AA2726	C,CERAMIC 50V 0.01UF	
C1013	42AA2726	C,CERAMIC 50V 0.01UF	
C1014	42CA1432	C,CERAMIC 50V 47PF	
C1020	42CA1416	C,CERAMIC 50V 10PF	
C1021	42CA1418	C,CERAMIC 50V 10PF	
C1023	42AA2728	C,CERAMIC 50V 0.01UF	
C1024	42AA2726	C,CERAMIC 50V 0.01UF	
C1025	42AA2726	C,CERAMIC 50V 0.01UF	
C1026	42AA2726	C,CERAMIC 50V 0.01UF	
C1027	430B9025	C,ELEC 16V 10UF	
C1028	430B9025	C,ELEC 16V 10UF	
C1029	430B9025	C.ELEC 16V 10UF	
C1030	430B9025	C.ELEC 16V 10UF	
C1031	42AA2726	C.CERAMIC 50V 0.01UF	
C1032	42AA2726	C.CERAMIC 50V 0.01UF	
C1050	42AA2726	C.CERAMIC 50V 0.01UF	
C1051	42AA2726	C,CERAMIC 50V 0.01UF	
C1053	42CA1432	C,CERAMIC 50V 47PF	
C1054	42CA1432	C,CERAMIC 50V 47PF	
C1059	42CA1432	C,CERAMIC 50V 47PF	
C1060	42CA1432	C,CERAMIC 50V 47PF	
C1061	42CA1432	C,CERAMIC 50V 47PF	
C1062	42CA1432	C,CERAMIC 50V 47PF	
C1063	42CA1432	C,CERAMIC 50V 47PF	
C1064	42CA1432	C,CERAMIC 50V 47PF	
C1065	42CA1432	C,CERAMIC 50V 47PF	
C1066	42CA1432	C.CERAMIC 50V 47PF	
C1067	42CA1432	C.CERAMIC 50V 47PF	
C1068	42CA1432	C.CERAMIC 50V 47PF	

SYMBOL	PARTS NO	DESCRIPTION
C1071	42CA1432	C,CERAMIC 50V 47PF
C1072	42CA1432	C,CERAMIC 50V 47PF
C1073	42CA1432	C,CERAMIC 50V 47PF
C1074	42CA1432	C,CERAMIC 50V 47PF
C1075	42AA2726	C,CERAMIC 50V 0.01UF
C1076	42AA2726	C,CERAMIC 50V 0.01UF
C1077	42AA2726	C,CERAMIC 50V 0.01UF
C1078	42AA2726	C,CERAMIC 50V 0.01UF
C1079	42CA1432	C,CERAMIC 50V 47PF
C1080	42CA1432	C,CERAMIC 50V 47PF
C1081	42AA2726	C,CERAMIC 50V 0.01UF
C1082	42AA2726	C,CERAMIC 50V 0.01UF
C1083	42AA2726	C,CERAMIC 50V 0.01UF
C1086	42CA1432	C,CERAMIC 50V 47PF
C1087	42CA1432	C,CERAMIC 50V 47PF
C1088	42CA1432	C,CERAMIC 50V 47PF
C1089	42CA1432	C,CERAMIC 50V 47PF
C1090	42CA1432	C,CERAMIC 50V 47PF
C1091	42CA1432	C,CERAMIC 50V 47PF
C1092	42CA1432	C,CERAMIC 50V 47PF
C1093	42CA1432	C,CERAMIC 50V 47PF
C1094	42CA1432	C,CERAMIC 50V 47PF
C1095	42CA1432	C,CERAMIC 50V 47PF
C1097	430C0244	C,ELEC 16V 47UF
C1099	42AA2726	C,CERAMIC 50V 0.01UF
C1100	42CA1432	C,CERAMIC 50V 47PF
C1101	42CA1432	C,CERAMIC 50V 47PF
C1102	42CA1432	C,CERAMIC 50V 47PF
C1103	42CA1432	C,CERAMIC 50V 47PF
C1104	42CA1432	C,CERAMIC 50V 47PF
C1105	42CA1432	C,CERAMIC 50V 47PF
C1106	42CA1432	C,CERAMIC 50V 47PF
C1107	42CA1432	C,CERAMIC 50V 47PF
C1108	42CA1432	C,CERAMIC 50V 47PF
C1109	42CA1432	C,CERAMIC 50V 47PF
C1110	42CA1432	C,CERAMIC 50V 47PF
C1111	42CA1432	C,CERAMIC 50V 47PF
C1112	42CA1432	C.CERAMIC 50V 47PF
C1113	42CA1432	C.CERAMIC 50V 47PF

SYMBOL	PARTS NO	DESCRIPTION
C1114	42CA1432	C,CERAMIC 50V 47PF
C1115	42CA1432	C,CERAMIC 50V 47PF
C1139	430B9029	C,ELEC 16V 100UF
C1140	43089045	C,ELEC 25V 470UF
C1141	43089045	C,ELEC 25V 470UF
C1142	43089045	C,ELEC 25V 470UF
C1145	43089057	C,ELEC 35V 470UF
C1146	42AA2726	C,CEC 35V 470UF
C1147	430B9045	C,ELEC 25V 470UF
C1148	430B9057	C,ELEC 35V 470UF
C1149	42AA2726	C,CERAMIC 50V 0.01UF
C1150	42AA2726	C,CERAMIC 50V 0.01UF
C1151	430B9054	C,ELEC 35V 100UF
C1152	430B9045	C.ELEC 25V 470UF
C1153	42AA2726	C.CERAMIC 50V 0 01UF
C1154	430B9042	C.ELEC 25V 100UF
C1155	42AA2726	C.CERAMIC 50V 0 01UF
C1157	430B9032	C.ELEC 16V 470UF
C1158	42AA2726	C,CERAMIC 50V 0.01UF
C1159	430B9042	C,ELEC 25V 100UF
C1160	42AA2726	C,CERAMIC 50V 0.01UF
C1161	430B9029	C,ELEC 16V 100UF
C1162	42AA2726	C,CERAMIC 50V 0.01UF
C1163	42CA1432	C,CERAMIC 50V 47PF
C1164	42CA1432	C,CERAMIC 50V 47PF
C1165	42CA1432	C,CERAMIC 50V 47PF
C1166	42CA12726	C,CERAMIC 50V 0,01UF
C1167	43OCO244	C,ELEC 16V 47UF
C1180	430B9062	C.ELEC 50V 2.2UF
C1181	430B9062	C.ELEC 50V 2.2UF
C1182	430B9062	C.ELEC 50V 2.2UF
C1183	42CA1464	C.CERAMIC 50V 1000PF
C1184	42CA1464	C.CERAMIC 50V 1000PF
C1185	430B9038	C.ELEC 25V 10UF
C1186	42AA2726	C.CERAMIC 50V 0.01UF
C1187	427F4611	C.FLLM 50V 6800PF
C1188	430B9038	C.ELEC 25V 10UF
C1189	42AA2721	C.CERAMIC 50V 0.1UF
C1190	427F4611	C.F1LM 50V 6800PF

SYMBOL	PARTS NO	DESCRIPTION
C1191	427F4619	C.FILM 50V 0.033UF
C1192	428B3019	C.METAL FILM 50V 0.33UF
C1193	430B9039	C.ELEC 25V 22UF
C1194	42AA2726	C.CERAMIC 50V 0.01UF
C1195	430B9029	C,ELEC 16V 100UF
C1196	42CA1452	C,CHIP 50V 330PF
C1197	427F4601	C,FILM 50V 1000PF
C1199	428B3018	C,METAL FILM 50V 0.27UF
C1200	430B9041	C,ELEC 25V 47UF
C1201	427F4625	C,FILM 50V 0.1UF
C1203	42AA2721	C,CERAMIC 50V 0.1UF
C1204	42AA2721	C,CERAMIC 50V 0.1UF
C1205	42CA1464	C,CERAMIC 50V 1000PF
C1206	42AA2726	C,CERAMIC 50V 0.01UF
C1207	430B9042	C,ELEC 25V 100UF
C1208	42CA1456	C,CERAMIC 50V 470PF
C1209	430B9037	C,ELEC 25V 4.7UF
C1210	428B3021	C,METAL FILM 50V 0.47UF
C1211	428B3013	C,METAL FILM 50V 0.1UF
C1212	433A4059	C,ELEC 50V 10UF
C1213	428B3015	C,METAL FILM 50V 0.15UF
C1214	42AA2721	C,CERAMIC 50V 0.1UF
C1215	433A7045	C,ELEC 50V 4.7UF
C1218	430B9053	C,ELEC 35V 47UF
C1225	430B9032	C,ELEC 16V 470UF
C1230	42CA1438	C,CERAMIC 50V 82PF
C1301	430B9032	C,ELEC 16V 470UF
C1302	430B9032	C,ELEC 16V 470UF
C1303	427F4675	C,FILM 50V 0.1UF
C1304	43089054	C.ELEC 35V 100UF
C1305	43089053	C.ELEC 35V 47UF
C1306	427F4675	C.FILM 50V 0.1UF
C1307	433A7045	C.ELEC 50V 4.7UF
C1308	43089053	C.ELEC 35V 47UF
C1309	433A7045	C,ELEC 50V 4.7UF
C1310	427F4609	C,FILM 50V 4700PF
C1311	427F4609	C,FILM 50V 4700PF
C1312	433A7045	C,ELEC 50V 4.7UF
C1313	433A7045	C,ELEC 50V 4.7UF
C1314	430B9037	C.ELEC 25V 4.7UF

SYMBOL	PARTS NO	DESCRIPTION
C1315	42AA2721	C/CERAMIC 50V 0.1UF
C1316	430B9025	C/ELEC 16V 10UF
C1317	43026181	C/ELEC 35V 4700UF
C1318	42AA2726	C/CERAMIC 50V 0.01UF
C1319	430CF540	C.ELEC 16C 2200UF
C1322	430C0244	C.ELEC 16V 47UF
C1402	430B9039	C.ELEC 25V 22UF
C1406	430B9536	C.ELEC 200V 10UF
C1407	42AA2726	C.CERAMIC 50V 0.01UF
C1408	430B9057	C.ELEC 35V 470UF
C1409	42AA2726	C.EERAMIC 50V 0 01UF
C1410	430B9057	C.ELEC 35V 470UF
C1412	4320E402	C.ELEC 200V 10UF
C1413	42703451	C.FILM 630V 1000PF
C1414	42703451	C.FILM 630V 1000PF
C2001	430B9038	C.ELEC 25V 10UF
C2003	430B9068	C.ELEC 50V 47UF
C2004	430B9039	C.ELEC 25V 22UF
C5001	4303J224	C.ELEC 250V 4.7UF
C5003	42839022	C,METAL FILM 250V 0.1UF
C5004	430B9041	C,ELEC 25V 47UF
C5005	430B9552	C,ELEC 250V 1.0UF
C5006	42703451	C,FILM 630V 1000PF
C5007	423A1076	C,CERAMIC 50V 390PF
C5009	4309J183	C.ELEC 250V 10UF
C5010	430B9062	C.ELEC 50V 2.2UF
C5013	430B9042	C.ELEC 25V 100UF
C5014	421A0425	C.CERAMIC 50V 0.01UF
C5015	430B9041	C.ELEC 25V 47UF
C5016	421A0425	C.CERAMIC 50V 0.01UF
C5017	421D6009	C.CERAMIC 25V 0.1UF
C5018	421D6009	C.CERAMIC 25V 0.1UF
C5019	421A0425	C.CERAMIC 50V 0.01UF
C5020	421D6009	C.CERAMIC 25V 0.1UF
C5022	430B9041	C.ELEC 25V 47UF
C5023	421A0425	C.CERAMIC 50V 0.01UF
C5024	421D6009	C.CERAMIC 25V 0.1UF
C5025	421A0425	C.CERAMIC 50V 0.01UF
C5026	423A2045	C.CERAMIC 50V 100PF
C5027	421D6009	

SYMBOL	PARTS NO	DESCRIPTION
C5029	4320E403	C,ELEC 200V 100UF
C5030	42839022	C,METAL FILM 250V 0.1UF
C5031	430B9028	C,ELEC 16V 47UF
C5032	42807507	C,FILM 1.6KV 1800PF
C5033	42703458	C,FilM 630V 3900PF
C5036	421A0425	C,CERAMIC 50V 0.01UF
C5037	421A0425	C,CERAMIC 50V 0.01UF
C5038	433A7021	C,ELEC 25V 10UF
C5039	421A0425	C,CERAMIC 50V 0.01UF
C5040 C5041 C5042 C5043 C5044	43089061 423A2045 423A2045 43089041 42106009	C,ELEC 50V 1,0UF C,CERAMIC 50V 100PF C,CERAMIC 50V 100PF C,ELEC 25V 47UF C,CELEC 25V 47UF C,CERAMIC 25V 0.1UF
C5045 C5046 C5048 C5050 C5051	430BJ558 428D5093 430BJ558 4303J214 42074713	C,ELEC 250V 330UF C,METAL 250V 0.1UF C,ELEC 250V 330UF C,ELEC 200V 4.7UF C,CECE 200V 4.7UF C,CERAMIC 2.0KV 1000PF
C5052	42074713	C,CERAMIC 2.0KV 1000PF
C5053	43089025	C,ELEC 18V 10UF
C5054	43089556	C,ELEC 250V 10UF
C5055	43089536	C,ELEC 200V 10UF
C5057	42703451	C,FILM 630V 1000PF
C5058	421D6013	C,CERAMIC 50V 0.1UF
C5059	427F4667	C,FILM 50V 0.022UF
C5060	4303J214	C,ELEC 200V 4.7UF
C5061	43089061	C,ELEC 50V 1.0UF
C5062	4309J183	C,ELEC 50V 1.0UF
C5063	4309J183	C,ELEC 250V 10UF
C5064	420C9563	C,CERAMIC 500V 1000PF
C5065	430B9041	C,ELEC 25V 47UF
C5066	421D6009	C,CERAMIC 25V 0.1UF
C5501	42817255	C,METAL 2KV 6800PF
C5502	42817255	C,METAL 2KV 6800PF
C5503	42807541	C,FILM 1.6K 0.043UF
C5507	42808501	C,METAL FILM 1.6KV 1000PF
C5507B	42703455	C,FILM 630V 2200PF
C5508	42703567	C,FILM 200V 0.022UF
C5509	42840149	C.METAL 250V 2.2UF 5%

SYMBOL	PARTS NO	DESCRIPTION
C5510	42839022	C.METAL FILM 250V 0.1UF
C5511	42839022	C.METAL FILM 250V 0.1UF
C5512	430B9041	C.ELEC 25V 47UF
C5513	421D6009	C.CERAMIC 25V 0.1UF
C5514	427 J9057	C,FILM 100V 3300PF
C5515	430B9556	C,ELEC 250V 10UF
C5518	427F4607	C,FILM 50V 3300PF
C5519	427F4607	C,FILM 50V 3300PF
C5521	42816373	C,FILM 250V 4.7UF 5%
C5522	427F4609	C,FILM 50V 4700PF
C5524	430B9062	C,ELEC 50V 2.2UF
C5525	430B9069	C,ELEC 50V 100UF
C5526	430B9069	C,ELEC 50V 100UF
C5527	433A6079	C,ELEC 50V 2.2UF
C5528	42074709	C,CERAMIC 2.0KV 470PF
C5529	42839702	C,METAL 400V 0.12UF
C5530	42839702	C,METAL 400V 0.12UF
C5531	42839702	C,METAL 400V 0.12UF
C5532	42839702	C,METAL 400V 0.12UF
C5533	42837103	C,METAL FILM 400V 0.056
C5533B	42837103	C,METAL FILM 400V 0.056
C5535	42837103	C,METAL FILM 400V 0.056
C5537	42839702	C,METAL 400V 0.12UF
C5539	42837123	C,METAL FILM 400V 0.39
C5541	42839707	C,METAL 400V 0.27UF 5%
C5543	42839637	C,METAL 400V 0.3UF
C5546	42816371	C,FILM 250V 3.3UF 5%
C5547	42106009	C,CERAMIC 25V 0.1UF
C5548	42106009	C,CERAMIC 25V 0.1UF
C5549	42106009	C,CERAMIC 25V 0.1UF
C5550	42106009	C,CERAMIC 25V 0.1UF
C5551	42106009	C,CERAMIC 25V 0.1UF
C5552	42106009	C,CERAMIC 25V 0.1UF
C5553	42106009	C,CERAMIC 25V 0.1UF
C5554	421D6009	C,CERAMIC 25V 0.1UF
C5556	421D6009	C,CERAMIC 25V 0.1UF
C5557	430B9029	C,ELEC 16V 100UF
C5558	421D6009	C,CERAMIC 25V 0.1UF
C5559	430B9041	C,ELEC 25V 47UF
C5560	421D6009	C.CERAMIC 25V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C5561	421D6009	C.CERAMIC 25V 0.1UF
C5562	430B9029	C.ELEC 16V 100UF
C5565	430B9041	C.ELEC 25V 47UF
C5566	421D6009	C.CERAMIC 25V 0.1UF
C5567	430B9041	C,ELEC 25V 47UF
C5571	427F4629	C,FILM 50V 0.22UF
C5572	427F4629	C,FILM 50V 0.22UF
C5573	427F4629	C,FILM 50V 0.22UF
C5574	427F4629	C,FILM 50V 0.22UF
C5575	43089041	C.ELEC 25V 47UF
C5576	421D6009	C.CERAMIC 25V 0.1UF
C5577	43089028	C.ELEC 16V 47UF
C701	43KB7515	C.ELEC 16V 10UF
C702	43KB7515	C.ELEC 16V 10UF
C703	43KB7515	C,ELEC 16V 10UF
C706	43KB7538	C,ELEC 16V 100UF
C707	42AA2721	C,ELEC 16V 10UF
C708	43KB7515	C,ELEC 16V 10UF
C709	43KB7515	C,ELEC 16V 10UF
C711	43K87515	C,ELEC 16V 10UF
C713	43K87533	C,ELEC 50V 2.2UF
C714	43K87533	C,ELEC 50V 2.2UF
C715	43K87533	C,ELEC 50V 2.2UF
C716	43K87533	C,ELEC 50V 2.2UF
C717	43KB7533	C,ELEC 50V 2.2UF
C718	43KB7533	C,ELEC 50V 2.2UF
C719	42CA1464	C,ELEC 50V 1000PF
C7207	43KB7441	C,ELEC CHIP 16V 10UF
C7208	43KB7444	C,ELEC CHIP 16V 47UF
C7209	43KB7444	C.ELEC CHIP 18V 47UF
C7210	42AA2721	C.CERAMIC 50V 0.1UF
C722	42CA1464	C.CERAMIC 50V 1000PF
C7226	42CA1434	C.CERAMIC 50V 56PF
C7227	42CA1428	C.CERAMIC 50V 33PF
C7228	42CA1420	C,CERAMIC 50V 15PF
C7229	42CA1420	C,CERAMIC 50V 15PF
C723	42CA1464	C,CERAMIC 50V 1000PF
C7230	42CA2726	C,CERAMIC 50V 0.01UF
C7231	43KB7518	C,ELEC 16V 47UF
C7232	42CA1440	C.CERAMIC 50V 100PF

SYMBOL	PARTS NO	DESCRIPTION
C7233	42AA2721	C,CERAMIC 50V 0.1UF
C7234	42AA2721	C,CERAMIC 50V 0.1UF
C7235	43KB7441	C,ELEC CHIP 16V 10UF
C7236	43KB7518	C,ELEC 16V 47UF
C7237	43KB7518	C.ELEC 16V 47UF
C7239	42AA2721	C.CERAMIC 50V 0.1UF
C724	42CA1464	C.CERAMIC 50V 1000PF
C7240	43KB7441	C.ELEC CHIP 16V 10UF
C7241	42AA2721	C.CERAMIC 50V 0.1UF
C7242	42AA2721	C,CERAMIC 50V 0.1UF
C7249	43KB7518	C,ELEC 16V 47UF
C725	43KB7476	C,ELEC CHIP 50V 2.2UF
C7250	43KB7452	C,ELEC CHIP 25V 33UF
C7251	42AA2721	C,CERAMIC 50V 0.1UF
C7252 C7253 C7254 C7255 C7256	42AA2721 42AA2721 42AA2721 42AA2721 42AA2721 43KB7441	C.CERAMIC 50V 0.1UF C.CERAMIC 50V 0.1UF C.CERAMIC 50V 0.1UF C.CERAMIC 50V 0.1UF C.ELEC CHIP 16V 10UF
C7257	42AA2721	C,CERAMIC 50V 0.1UF
C7258	42AA2746	C,CERAMIC 25V 0.22UF
C7259	43KB7474	C,ELEC CHIP 50V 0.47UF
C7260	430B9041	C,ELEC 25V 47UF
C7261	42AA2721	C,CERAMIC 50V 0.1UF
C7262	43KB7474	C,ELEC CHIP 50V 0.47UF
C7263	42AA2721	C,CERAMIC 50V 0.1UF
C7264	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7265	42AA2746	C,CERAMIC 25V 0.22UF
C7266	42AA2746	C,CERAMIC 25V 0.22UF
C7267	43KB7441	C,ELEC CHIP 16V 10UF
C7268	43KB7474	C,ELEC CHIP 50V 0.47UF
C7269	43KB7474	C,ELEC CHIP 50V 0.47UF
C7270	42CA1440	C,CERAMIC 50V 100PF
C7271	42AA2721	C,CERAMIC 50V 0.1UF
C7272	42AA2721	C,CERAMIC 50V 0.1UF
C7273	42AA2721	C,CERAMIC 50V 0.1UF
C7274	42AA2721	C,CERAMIC 50V 0.1UF
C7275	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7276	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7277	42CA1430	C.CERAMIC 50V 39PF

SYMBOL	PARTS NO	DESCRIPTION
C7278	42CA1432	C.CERAMIC 50V 47PF
C7279	42AA2746	C.CERAMIC 25V 0.22UF
C728	42AA2721	C.CERAMIC 50V 0.1UF
C7281	42AA2746	C.CERAMIC 25V 0.22UF
C7282	42AA2746	C,CERAMIC 25V 0.22UF
C7283	43KB7452	C,ELEC CHIP 25V 33UF
C7284	42AA2721	C,CERAMIC 50V 0.1UF
C7285	42AA1525	C,CHIP CERAMIC 50V0.022UF
C7286	42AA2721	C,CERAMIC 50V 0.1UF
C7287	42AA1525	C,CHIP CERAMIC 50V0.022UF
C7288	42CA1418	C,CERAMIC 50V 12PF
C7289	42CA1415	C,CHIP 50V 9.0PF
C729	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C729	42AA1525	C,CHIP CERAMIC 50V0.022UF
C7291	42AA2721	C.CERAMIC 50V 0.1UF
C7292	43KB7452	C.ELEC CHIP 25V 33UF
C7293	42AA2721	C.CERAMIC 50V 0.1UF
C7294	43KB7475	C.ELEC CHIP 50V 1.0UF
C7295	43KB7475	C.ELEC CHIP 50V 1.0UF
C7296	42AA2729	C,CERAMIC 50V 0.047UF
C7297	43KB7441	C,ELEC CHIP 16V 10UF
C7298	43KB7475	C,ELEC CHIP 50V 1.0UF
C7299	430B9032	C,ELEC 18V 470UF
C730	42CA1464	C,CERAMIC 50V 1000PF
C7300	42AA2721	C,CERAMIC 50V 0.1UF
C7301	43KB7532	C,ELEC 50V 1.0UF
C7302	42CA1440	C,ELEC 50V 100PF
C7303	43KB7530	C,ELEC 50V 0.33UF
C7304	42CA1440	C,CERAMIC 50V 100PF
C7305	43KB7475	C,ELEC CHIP 50V 1.0UF
C7306	43KB7475	C,ELEC CHIP 50V 1.0UF
C7307	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7308	43KB7476	C,ELEC CHIP 50V 2.2UF
C7309	42AA2721	C,CERAMIC 50V 0.1UF
C731 C7310 C7311 C7312 C7313	42CA1464 42AA2721 42AA2721 42AA2721 42AA2721 42AA2721	C,CERAMIC 50V 1000PF C,CERAMIC 50V 0.1UF C,CERAMIC 50V 0.1UF C,CERAMIC 50V 0.1UF C,CERAMIC 50V 0.1UF
C7314	43089032	C.ELEC 16V 470UF

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SYMBOL	PARTS NO	DESCRIPTION
C7315	42AA2721	C,CERAMIC 50V 0.1UF
C7316 C7317	42AA1516 42AA2721	C.CHIP CERAMIC 50V 3900PF C.CERAMIC 50V 0.1UF
C7318	43KB7476	C.ELEC CHIP 50V 2.2UF
C7319 C732	43KB7475 42CA1464	C.ELEC CHIP 50V 1.0UF C.CERAMIC 50V 1000PF
C7320 C7321	42AA1521 42AA2721	C.CHIP CERAMIC 50V 0.01UF
C7322	430B9032	C.ELEC 16V 470UF
C7323 C7324	43KB7441 43KB7441	C,ELEC CHIP 16V 10UF C,ELEC CHIP 16V 10UF
C7325 C7326	42AA2721 42CA1440	C.CERAMIC 50V 0.1UF C.CERAMIC 50V 100PF
C7327	42CA1440	C.CERAMIC 50V 100PF
C7328 C7329	42AA2721 43KB7538	C.CERAMIC 50V 0.1UF C.ELEC 16V 100UF
C733 C7330	43086032 42AA2721	C.ELEC 16V 470UF C.CERAMIC 50V 0.1UF
C7331	42AA2721	C.CERAMIC SOV 0.1UF
C7332 C7333	42AA2721 42AA2721	C.CERAMIC 50V 0.1UF
C7334 C7335	42AA2721 42AA2721	C.CERAMIC 50V 0.1UF C.CERAMIC 50V 0.1UF
C7336	43089029	C.ELEC 16V 100UF
C7337 C7338	42AA2721 42AA2721	C.CERAMIC 50V 0.1UF
C7339 C734	430B9029 42AA2721	C.ELEC 16V 100UF C.CERAMIC 50V 0.1UF
C7355	43089043	C.ELEC 25V 220UF
C7356 C7401	43089043 43KB7523	C.ELEC 25V 220UF C.ELEC 25V 33UF C.CERAMIC 50V 0.1UF
C7402 C7403	42AA2721 42CA1428	C.CERAMIC 50V 33PF
C7404 C7405	43089041	C.ELEC 25V 47UF
C7406 C7407	42AA2721 42AA2721 42AA1525	C.CERAMIC 50V 0.1UF C.CERAMIC 50V 0.1UF C.CHIP CERAMIC 50V0.022UF
C7407 C7408 C7409	43KB7475 42AA2729	C.ELEC CHIP 50V 1.0UF
C7410	42CA1416	C,CERAMIC 50V 0.0470F
J. 7. 0	1 12001710	T 0702.17M10 307 1011

SYMBOL	PARTS NO	DESCRIPTION
C7411	42CA1464	C.CERAMIC 50V 1000PF
C7412	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C7413	42CA1422	C.CERAMIC 50V 18PF
C7414	42CA1422	C.CERAMIC 50V 18PF
C7415	42AA2137	C,CERAMIC 50V 0.33UF
C7416	42AA2729	C,CERAMIC 50V 0.047UF
C7417	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7418	42AA2721	C,CERAMIC 50V 0.1UF
C7419	42AA2721	C,CERAMIC 50V 0.1UF
C7422	43KB7523	C,ELEC 25V 33UF
C7423	42AA2721	C,CERAMIC 50V 0.1UF
C7424	42AA2721	C,CERAMIC 50V 0.1UF
C7425	43KB7441	C,ELEC CHIP 16V 10UF
C7426	42AA1515	C,CHIP CERAMIC 50V 3300PF
C7427	43KB7531	C,ELEC 50V 0.47UF
C7428	42AA2721	C,CERAMIC 50V 0.1UF
C7429	42AA1523	C,CHIP CERAMIC 50V0.015UF
C7432	43KB7452	C,ELEC CHIP 25V 33UF
C7433	42CA1464	C,CERAMIC 50V 1000PF
C7434	42AA2721	C,CERAMIC 50V 0.1UF
C7435	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7436	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7437	430B9042	C,ELEC 25V 100UF
C7438	42CA1416	C,CERAMIC 50V 10PF
C7439	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7440	42AA2721	C,CERAMIC 50V 0.1UF
C7441	42AA2721	C,CERAMIC 50V 0.1UF
C7442	42AA2721	C,CERAMIC 50V 0.1UF
C7443	42AA2721	C,CERAMIC 50V 0.1UF
C7444	42AA2721	C,CERAMIC 50V 0.1UF
C7445	42AA2721	C,CERAMIC 50V 0.1UF
C7446	42AA2721	C,CERAMIC 50V 0.1UF
C7447	430B9042	C,ELEC 25V 100UF
C7449	42AA2721	C,CERAMIC 50V 0.1UF
C7451	42AA2721	C,CERAMIC 50V 0.1UF
C7452	42AA2721	C,CERAMIC 50V 0.1UF
C7453	42AA2721	C,CERAMIC 50V 0.1UF
C7501	42CA1432	C,CERAMIC 50V 47PF
C7502	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7503	43KB7523	C.ELEC 25V 33UF

SYMBOL	PARTS NO	DESCRIPTION
C7504	42CA1432	C.CERAMIC 50V 47PF
C7505	42CA1432	C.CERAMIC 50V 47PF
C8001	430B9064	C.ELEC 50V 4.7UF
C8002	42AA2721	C.CERAMIC 50V 0.1UF
C8003	433A7021	C,ELEC 25V 10UF
C8004	42AA2721	C,CERAMIC 50V 0 1UF
C8005	433A7021	C,ELEC 25V 10UF
C8006	42AA2721	C,CERAMIC 50V 0 1UF
C8007	433A7021	C,ELEC 25V 10UF
C8009	42AA2721	C,CERAMIC 50V 0.1UF
C801	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8010	430B9029	C,ELEC 16V 100UF
C8011	42AA2721	C,CERAMIC 50V 0.1UF
C8012	430B9062	C,ELEC 50V 2.2UF
C8013	430B9062	C,ELEC 50V 2.2UF
C8014	430B9062	C,ELEC 50V 2.2UF
C8015	42AA2721	C,CERAMIC 50V 0.1UF
C8016	430B9039	C,ELEC 25V 22UF
C8017	42AA2721	C,CERAMIC 50V 0.1UF
C8018	430B6039	C,ELEC 25V 22UF
C8019	42AA2721	C,CERAMIC 50V 0.1UF
C802	43CC1345	C,ELEC 16V 33UF
C8020	42AA2721	C,CERAMIC 50V 0.1UF
C8021	430B6039	C,ELEC 25V 22UF
C8022	430B6061	C,ELEC 50V 1.0UF
C8023	42AA1517	C,CHIP CERAMIC 50V 4700PF
C8024	42AA2721	C,CERAMIC 50V 0.1UF
C8026	42CA1426	C,CERAMIC 50V 27PF
C8028	42CA1464	C,CERAMIC 50V 1000PF
C8029	43089029	C,ELEC 16V 100UF
C803	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8032	43089061	C,ELEC 50V 1.0UF
C8033	43089061	C,ELEC 50V 1.0UF
C8034	42AA2721	C,CERAMIC 50V 0.1UF
C8038	430B9033	C,ELEC 18V 1000UF
C8039	42AA2721	C,CERAMIC 50V 0.1UF
C804	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8040	42AA2721	C,CERAMIC 50V 0.1UF
C8041	430B9042	C,ELEC 25V 100UF
C8045	430B9029	C.ELEC 16V 100UF

SYMBOL	PARTS NO	DESCRIPTION
C8046	42AA2721	C,CERAMIC 50V 0.1UF
C8047	42AA2721	C,CERAMIC 50V 0.1UF
C8048	430B9042	C,ELEC 25V 100UF
C8049	430B9038	C,ELEC 25V 10UF
C805	43CC1345	C,ELEC 16V 33UF
C8050	43OB8178	C,ELEC 50V 4.7UF
C8051	43OB8176	C,ELEC 50V 2.2UF
C8052	42AA2721	C,CERAMIC 50V 0.1UF
C8053	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8054	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8055	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8056	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8057	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8058	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8059	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C806	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C8060	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C8061	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C8062	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C807	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C808	43CC1345	C,ELEC 16V 33UF
C809	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C810	43CC1350	C,ELEC 25V 3.3UF
C8102	42CA1458	C,CERAMIC 50V 560PF
C8104	42AA2721	C,CERAMIC 50V 0.1UF
C8105	430B9552	C,ELEC 250V 1.0UF
C8106	42840105	C,METAL FILM 250V 1UF
C811	42AA2721	C,CERAMIC 50V 0.1UF
C8111	42AA2721	C,CERAMIC 50V 0.1UF
C8112	430B9552	C.ELEC 250V 1.0UF
C8113	42840105	C.METAL FILM 250V 1UF
C8118	42AA2721	C.CERAMIC 50V 0.1UF
C8119	430B9552	C.ELEC 250V 1.0UF
C812	42AA2721	C.CERAMIC 50V 0.1UF
C8120	42840105	C.METAL FILM 250V 1UF
C8122	4201J575	C.CERAMIC 500V 0.01UF
C8123	43089556	C.ELEC 250V 10UF
C8124	42AA2721	C.CERAMIC 50V 0.1UF
C8125	4201J575	C.CERAMIC 500V 0.01UF
C8126	43089556	C.ELEC 250V 10UF

SYMBOL	PARTS NO	DESCRIPTION
C8128	43086555	C,ELEC 250V 4.7UF
C8129	42A1521	C,CHIP CERAMIC 50V 0.01UF
C813	43CC1350	C,ELEC 25V 3.3UF
C8130	43086555	C,ELEC 250V 4.7UF
C8131	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8132	430B6555	C,ELEC 250V 4.7UF
C8133	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8138	42CA1416	C,CERAMIC 50V 10PF
C8139	42CA1416	C,CERAMIC 50V 10PF
C814	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8140	42CA1416	C,CERAMIC 50V 10PF
C8141	42AA2721	C,CERAMIC 50V 0.1UF
C8142	42AA2721	C,CERAMIC 50V 0.1UF
C8143	42AA2721	C,CERAMIC 50V 0.1UF
C815 C816 C817 C818 C819	43CC1345 42AA1521 42AA1521 43CC1345 42AA1521	C.ELEC 16V 33UF C.CHIP CERAMIC 50V 0.01UF C.CHIP CERAMIC 50V 0.01UF C.ELEC 16V 33UF C.CHIP CERAMIC 50V 0.01UF
C820	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C821	43CC1345	C.ELEC 16V 33UF
C822	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C823	42AA2721	C.CERAMIC 50V 0.1UF
C824	43KB7523	C.ELEC 25V 33UF
C825	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C826	43CC1345	C,ELEC 16V 33UF
C827	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C828	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C829	43CC1345	C,ELEC 16V 33UF
C830	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C831	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C832	43CC1345	C,ELEC 16V 33UF
C833	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C834	42AA2721	C,CERAMIC 50V 0.1UF
C835	43KB7452	C.ELEC CHIP 25V 33UF
C836	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C837	43KB7538	C.ELEC 16V 100UF
C838	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C839	43KB7515	C.ELEC 16V 10UF
C840	43KB7538	C.ELEC 16V 100UF

SYMBOL	PARTS NO	DESCRIPTION
C841	42AA2721	C.CERAMIC 50V 0.1UF
C842	42AA2721	C.CERAMIC 50V 0.1UF
C844	42AA2721	C.CERAMIC 50V 0.1UF
C845	43KB7523	C.ELEC 25V 33UF
C846	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C847	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C848	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C901	421D6009	C,CERAMIC 25V 0.1UF
C902	42034143	C,CERAMIC 2KV 1000PF
C904	42019175	C.CERAMIC 2KV 0.01UF

4. XM-2960G

SYMBO	L	PARTS NO	DESCRIPTION
***	CRT	& TUNER *	**
CRT		33029036	CRT-M68LMF256X
***	LCS	***	

		L
*** ICS	***	
101003	370EC030	MOS HD74HC573FP-EL
101004	37058820	MOS UPD78P018FYCW
101005	370E3275	MOS HD74HC138FPTL
101006	37058805	MOS 24LC088/P
101007	37056122	MOS UPD71055C
1C1008 1C1010 1C1011 1C1012 1C1013	371E1568 37058829 37058582 37056111 37056111	IC PST529G-2(T)(3.3V RES) MOS UPD78P014YCW MOS MAX232CPE (TRNSMIT) MOS UPD71051C MOS UPD71051C
C1014	370E3306	MOS UPD74HC32GS-T2
C1015	37056122	MOS UPD71055C
C1022	37005160	IC MC7812CT (JBL1045CT)
C1023	37005164	IC MC7912CT (REG)
C1024	37005228	IC PQ05RF1 (REG)
1C1030	37009037	IC UPC1885CT
1C1031	370E3425	MOS UPD74HC221AG-T1
1C1032	37101395	IC BA10324
1C1033	37011320	IC LA6500
1C1301	37001086	IC TA8211AH (AMP)
IC1302 IC1401 IC1402 IC1403 IC1404	37001075 37011068 37006023 37005315 37005316	IC UPC1406HA (DC-CONT) IC UPC4558C (OP AMP) IC STK792-110 IC NJM7818FA IC NJM7818FA
1 C2002	37056616	C BA10358
1 C5003	370K0011	C UPC78L12T-E2
1 C5005	37058804	MOS M62353P
1 C5006	37011363	IC M52723SP
1 C5501	37056616	IC BA10358
1 C5502	37101395	IC BA10324
1 C5503	37058477	MOS UPDB345C (DRIVER)
1 C5504	37005085	IC UPC78L12J
1 C701	37011361	IC MM1313AD (AV-SW)
1 C7202	370AA009	IC MM1112XF (V-SW)

SYMBOL	PARTS NO	DESCRIPTION
107205 107208 107209	370AA008 370AA008 37011342	C MM1111XF (V-SW) C MM1111XF (V-SW) C TA8772AN (1H DL)
107210 107211	37003058 370E3413	IC TA8880CN MOS UPD4538BG-T2
107213 107214 107401	37903282 37005093 37RAA004	IC UPC7805AHF IC NJM7809FA IC CXA1686M-T6
107402 107404	37R58088 37011299	MOA CXD2024AQ IC LA7950 (50/60 SW)
108001 108002	37010006 370EH018	IC M52320SP MOS M62358FP-75BC
C8004 C8005 C801	37005256 37903282 37RED061	IC UPC7812AHF (REG) IC UPC7805AHF MOS 24LC21T-1/SN
10802 10803	370E6009 37011018	MOS UPD4066BG (T2)
10804 10805 108101	37056615 37011018 37RAA010	IC BA10393 IC UPC311C (COMP) IC AD8013AR-14-REEL
RV101	37058792	PHOTO SENSOR SBX8025A-F
*** TRA	ANSISTORS **	**
Q1001	35CB0015	TR 2SC1623-T2B(180°) L5

SYMBOL	PARTS NO	DESCRIPTION
Q1056	35EB0026	TR FAIL4M-T2B
Q1057	35CB0015	TR 2SC1623-T2B(180*) L5
Q1058	35AB0015	TR 2SA812-T2B(180*) M5
Q1059	35AB0015	TR 2SA812-T2B(180*) M5
Q1301 Q1302 Q1401 Q1402 Q1403	35CB0015 35CB0015 35EB0002 35CB0015 35AB0015	TR 2SC1623-T2B(180°) L5 TR 2SC1623-T2B(180°) L5 TR FA1AAM-T2B(180°) TR 2SC1623-T2B(180°) L5 TR 2SA812-T2B(180°) M5
Q1404	35CB0015	TR 2SC1623-T2B(180°) L5
Q1405	350H4418	TR.2SC1473-TA R
Q1407	35063411	TR.2SD401A K
Q5001	35127470	TR 2SJ306
Q5002	350E3218	TR 2SC1740S-T R
Q5003	350K5700	TR 2SA933S-T
Q5004	350E3218	TR 2SC1740S-T R
Q5005	350E3218	TR 2SC1740S-T R
Q5006	350A1500	TR 2SA1767-TA
Q5007	35122800	TR 2SA1767-TA
Q5008	350E3218	TR 2SC1740S-T R
Q5009	350E3218	TR 2SC1740S-T R
Q5010	35005216	TR 2SA1018 P
Q5011	35084400	TR.2SC3063
Q5012	35007204	TR 2SA1381 D
Q5013	35084400	TR.2SC3063
Q5014	35094200	TR 2SC4572
Q5015	35005216	TR 2SA1018 P
Q5017	35124500	TR 2SJ196
Q5020	350H4418	TR.2SC1473-TA R
Q5023	351G0577	TR DTC144ESA-T
Q5024	351G0577	TR DTC144ESA-T
Q5025	35122800	TR 25K1271
Q5027	350E3218	TR 25C1740S-T
Q5028	350A2020	TR 25A933AS-T
Q5029	35095340	TR 2SC2518
Q5030	35025211	TR 2SB546 K
Q5031	35025211	TR 2SB546 K
Q5032	350H4418	TR 2SSC1473-TA R
Q5033	350H4418	TR,2SC1473-TA R
Q5034	350H4418	TR.2SC1473-TA R

SYMBOL	PARTS NO	DESCRIPTION
Q5541 Q5542 Q5543 Q5544	350E3218 350E3218 350E3218 350E3218	TR 2SC1740S-T R TR 2SC1740S-T R TR 2SC1740S-T R TR 2SC1740S-T R
Q705 Q706 Q707 Q7201 Q7202	35AB0015 35AB0015 35CB0011 35EB0026 35EB0026	TR 2SA812-T2B(180°) M5 TR 2SA812-T2B(180°) M5 TR 2SC1623-T1B L5 TR FA1L4M-T2B TR FA1L4M-T2B
Q7204 Q7205 Q7206 Q7207 Q7209	35CB0011 35CB0011 35CB0011 35CB0011 35CB0011	TR 2SC1623-T1B L5
Q7210 Q7211 Q7212 Q7213 Q7214	35EB0026 35EB0026 35EB0026 35EB0026 35CB0011	TR FA1L4M-T2B TR FA1L4M-T2B TR FA1L4M-T2B TR FA1L4M-T2B TR FA1L4M-T2B TR 2SC1623-T1B L5
Q7215 Q7216 Q7217 Q7218 Q7219	35EB0026 35EB0026 35CB0011 35CB0011 35CB0011	TR FA1L4M-T2B TR FA1L4M-T2B TR 2SC1623-T1B L5 TR 2SC1623-T1B L5 TR 2SC1623-T1B L5
Q7220 Q7221 Q7222 Q7401 Q7402	35CB0011 35CB0011 35CB0011 35CB0011 35CB0011	TR 2SC1623-T18 L5
Q7403 Q7404 Q7405 Q7406 Q7407	35CB0011 35EB0026 35AB0015 35AB0015 35AB0015	TR 2SC1623-T1B L5 TR FA1L4M-T2B TR 2SA812-T2B(180*) M5 TR 2SA812-T2B(180*) M5 TR 2SA812-T2B(180*) M5 TR 2SA812-T2B(180*) M5
Q7408 Q7409 Q7502 Q7503 Q8003	35AB0015 35AB0015 35CB0011 35CB0011 35CB0011	TR 2SA812-T2B(180°) M5 TR 2SA812-T2B(180°) M5 TR 2SC1623-T1B L5 TR 2SC1623-T1B L5 TR 2SC1623-T1B L5
Q8007	35CB0011	TR 2SC1623-T1B L5

SYMBOL	PARTS NO	DESCRIPTION
Q5035	35095340	TR 2SC2518
Q5036	350H4418	TR.2SC1473-TA R
Q5037	350E3218	TR 2SC1740S-T R
Q5038	350E3218	TR 2SC1740S-T R
Q5039	350A2020	TR 2SA933AS-T
Q5501	35095300	TR 2SC5144
Q5502	35128007	TR FS14SM-18A
Q5503	35128007	TR FS14SM-18A
Q5504	35122500	TR 2SK758
Q5505 Q5506 Q5507 Q5508 Q5509	35122500 350E3218 350A2020 35070812 350H4417	TR 2SK758 TR 2SC1740S-T R TR 2SA933AS-T TR 2SD1587 L TR,2SC1473-TA Q
Q5510	350H4417	TR,2SC1473-TA Q
Q5511	35052317	TR,2SC1573 Q
Q5512	35070812	TR,2SD1587 L
Q5513	35031112	TR,2SB1095 L
Q5514	350E3218	TR,2SC1740S-T R
Q5515 Q5516 Q5517 Q5518 Q5519	350E3218 350E3218 350E3218 350E3218 350E3218	TR 2SC1740S-T R
Q5520	35127580	TR 2SK1642
Q5520B	35127580	TR 2SK1642
Q5521	35127580	TR 2SK1642
Q5522	35127580	TR 2SK1642
Q5523	35127580	TR 2SK1642
Q5524	35127580	TR 2SK1642
Q5525	35127580	TR 2SK1642
Q5526	35127580	TR 2SK1642
Q5527	35063412	TR 2SD401A L
Q5528	35063412	TR 2SD401A L
Q5529	35063412	TR 2SD401A L
Q5530	35063412	TR 2SD401A L
Q5533	35160570	TR DTA144ESA-T
Q5535	35160570	TR DTA144ESA-T
Q5536	35160577	TR DTC144ESA-T
Q5540	350E3218	TR 2SC1740S-T R

SYMBOL	PARTS NO	DESCRIPTION
Q8008	35AB0015	TR 2SA812-T2B(180°) M5
Q8009	35CB0011	TR 2SC1623-T18 L5
Q801	35CB0011	TR 2SC1623-T1B L5
Q8010	35OH5017	TR.2SC3811-TA Q
Q8013	35AB0015	TR 2SA812-T2B(180*) M5
Q8014	35CB0011	TR 2SC1623-T1B L5
Q8015	35CB0011	TR 2SC1623-T1B L5
Q802	35CB0011	TR 2SC1623-T1B L5
Q803	35CB0011	TR 2SC1623-T1B L5
Q804	35CB0011	TR 2SC1623-T1B L5
Q805	35CB0011	TR 2SC1623-T1B L5
Q806	35CB0011	TR 2SC1623-T1B L5
Q807	35EB0205	TR DTA144EKA-T146(0°)
Q808	35EB0026	TR FA1L4M-T2B
Q810 Q8101 Q8102 Q8103 Q8104	35E80205 35095333 35095323 35084105 35006305	TR DTA144EKA-T146(0°) TR 2SC4271 E TR 2SC4623 E TR.2SC3600 E TR.2SA1406 E
Q8105	35012053	TR 2SA1371 E
Q8108	35095323	TR 2SC4623 E
Q8109	35084105	TR.2SC3600 E
Q811	35EB0026	TR FA1L4M-T2B
Q8110	35006305	TR,2SA1406 E
Q8111	35012053	TR 2SA1371 E
Q8113	35095333	TR 2SC4271 E
Q8114	35095323	TR 2SC4623 E
Q8115	35084105	TR,2SC3600 E
Q8116	35006305	TR,2SA1406 E
Q8117	35012053	TR 2SA1371 E
Q8119	35080011	TR 2SC1623-T1B L5
Q8120	35080011	TR 2SC1623-T1B L5
Q8124	35080011	TR 2SC1623-T1B L5
Q8125	35080011	TR 2SC1623-T1B L5
Q8126	35CB0011	TR 2SC1623-T1B L5
Q8127	350H4417	TR.2SC1473-TA Q
Q8128	350H4417	TR.2SC1473-TA Q
Q8129	350H4417	TR.2SC1473-TA Q
Q813	35CB0011	TR.2SC1623-T1B L5
Q8133	35CB2433	TR 2SC4269 4-TB

SYMBOL	PARTS NO	DESCRIPTION	
Q8134 Q8135 Q814 Q815	35CB2433 35CB2433 35CB0011 35CB0011	TR 2SC4269 4-TB TR 2SC4269 4-TB TR 2SC1623-T1B L5 TR 2SC1623-T1B L5	
Q816 Q817 Q818 Q819 Q820	35EB0205 35EB0026 35CB0011 35EB0026 35EB0026	TR DTA144EKA-T146(0°) TR FA1L4M-T2B TR 29C1623-T1B L5 TR FA1L4M-T2B TR FA1L4M-T2B	
Q8207 Q821 Q823 Q824 Q825	35095333 35EB0026 35EB0026 35EB0026 35CB0011	TR 2SC4271 E TR FA1L4M-T2B TR FA1L4M-T2B TR FA1L4M-T2B TR FA1L4M-T2B TR 2SC1623-T1B L5	
Q826 Q827 Q828 Q829 Q830	35CB0011 35CB2433 35AB0123 35CB2433 35AB0123	TR 2SC1623-T1B L5 TR 2SC4269 4-TB TR 2SA1461-T2B Y23 TR 2SC4269 4-TB TR 2SA1461-T2B Y23	
Q831 Q832	35CB2433 35AB0123	TR 2SC4269 4-TB TR 2SA1461-T2B Y23	
*** DIC	*** DIODES ***		
D1001 D1002 D1003	36CB0213 36CB0213 361K7522	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE ERA15-02 VI	

*** DIO	DES ***	
D1001 D1002 D1003 D101 D1011	36CB0213 36CB0213 361K7522 36801348 361K7522	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE ERA15-02 VI LED SPR39MVWF DIODE ERA15-02 VI
D1015 D1016 D1021 D1022 D1023	36CB0213 36CB0213 36CB0213 36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146
D1024 D1025 D1031 D1034 D1035	36ĆB0213 36CB0213 36CB0079 36107562 36107562	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN202K-T146(0*) DIODE EGP10G
D1036	36CB0213	DIODE DAN212K-T146

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SYMBOL	PARTS NO	DESCRIPTION
D1037 D1038 D1039 D1040	36CB0213 36CB0213 36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146
D1041 D1042 D1043 D1044 D1301	36CB0079 36CB0213 36CB0079 36CB0213 36CB0213	DIODE DAN202K-T146(0°) DIODE DAN212K-T146 DIODE DAN202K-T146(0°) DIODE DAN212K-T146 DIODE DAN212K-T146
D1302 D1303 D1401 D1402 D1403	36CB0213 36CB0079 36CB0213 36CB0213 36CB0079	DIODE DAN212K-T146 DIODE DAN202K-T146(0°) DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN202K-T146(0°)
D1407 D1408 D1409 D5001 D5002	36CB0213 36CB0213 36CB0213 36107562 36107638	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE EGP10G DIODE EGP30G
D5003 D5004 D5006 D5007 D5008	360K1049 360K1049 36107562 360K1049 360K1049	DIODE 1SS270A TA DIODE 1SS270A TA DIODE EGPIOG DIODE 1SS270A TA DIODE 1SS270A TA
D5010 D5011 D5012 D5013 D5015	360K1049 36107761 36107761 36108254 360K1049	DIODE 1SS270A TA DIODE RU4DS(LF-J2) DIODE RU4DS(LF-J2) DIODE ESAC39M-04D F77 DIODE ISS270A TA
D5016 D5017 D5018 D5019 D5020	360K1049 360K1049 360K1049 36107562 360K1049	DIODE ISS270A TA DIODE ISS270A TA DIODE ISS270A TA DIODE ISS270A TA DIODE EGPIOG DIODE SEPIOG
D5022 D5023 D5024 D5025 D5501	360K1049 361K7522 360K1049 360K1049 36107765	DIODE 1SS270A TA DIODE ERA15-02 V1 DIODE 1SS270A TA DIODE 1SS270A TA DIODE FMQ-G5GS
05502	36107285	DIODE SB340

SYMBOL	PARTS NO	DESCRIPTION
D5503	361K7541	DIODE EGOIA-VI
D5504	361K7541	DIODE EGOIA-VI
D5507	360K1049	DIODE ISS27DA TA
D5508	360K1049	DIODE ISS27OA TA
D5509	361K7737	DIODE EGOIZ VI
D5510	361K7737	DIODE EGOIZ VI
D5513	361K7307	DIODE RGICVI
D5514	361K7737	DIODE EGOIZ VI
D5516	360K1049	DIODE ISS270A TA
05517	360K1049	DIODE ISS27DA TA
05518	360K1049	DIODE ISS27DA TA
05519	360K1049	DIODE ISS27DA TA
05520	360K1049	DIODE ISS27DA TA
05521	360K1049	DIODE ISS27DA TA
05522	360K1049	DIODE 1SS270A TA
0701	361K7522	DIODE ERA15-02 VI
07501	36CB0213	DIODE DAN212K-T146
07502	36CB0213	DIODE DAN212K-T146
07503	36CB0213	DIODE DAN212K-T146
D7504	36CB0213	DIODE DAN212K-T146
D7505	361K7522	DIODE ERA15-02 VI
D7506	361K7522	DIODE ERA15-02 VI
D7507	36CB0213	DIODE DAN212K-T146
D7508	36CB0213	DIODE DAN212K-T146
D8001	36CB0213	DIODE DAN212K-T146
D8002	36CB0213	DIODE DAN212K-T146
D8003	36CB0213	DIODE DAN212K-T146
D8004	36CB0213	DIODE DAN212K-T146
D8005	36CB0213	DIODE DAN212K-T146
D8006 D8007 D8008 D8009 D801	36CB0213 360K1037 361K8232 361K8232 36CB0213	DIODE DAN212K-T146 DIODE 1SS83 DIODE RB721Q-T72 DIODE RB721Q-T72 DIODE DAN212K-T146
D8010	361K8232	DIODE RB721Q-T72
D8011	361K7522	DIODE ERA15-02 VI
D802	36CB0213	DIODE DAN212K-T146
D803	36CB0213	DIODE DAN212K-T146
D804	36CB0213	DIODE DAN212K-T146
D805	36CB0213	DIODE DAN212K-T146

SYMBOL	PARTS NO	DESCRIPTION
D806	36CB0213	DIODE DAN212K-T146
D8101	36CB0213	DIODE DAN212K-T146
D8102	361K8232	DIODE RBT21G-T72
D8103	360K1025	DIODE 1SS133
08104 08105 08106 08107 08108	360K1025 360K1037 360K1037 360K1037 360K1037 36CB0213	DIODE 1SS133 DIODE 1SS83 DIODE 1SS83 DIODE 1SS83 DIODE DAN212K-T146
D8109	361K8232	DIODE RB721Q-T72
D811	36CB0213	DIODE DAN212K-T146
D8110	360K1025	DIODE 1SS133
D8111	360K1025	DIODE 1SS133
D8112	360K1037	DIODE 1SS133
D8113	360K1037	DIODE 18583
D8114	360K1037	DIODE 18583
D8115	360B0213	DIODE DAN212K-T146
D8116	361K8232	DIODE RB721Q-T72
D8117	360K1025	DIODE 185133
D8118	360K1025	DIODE 1SS133
D8119	360K1037	DIODE 1SS83
D812	36CB0213	DIODE DAN212K-T146
D8120	360K1037	DIODE 1SS83
D8121	360K1037	DIODE 1SS83
D813	36CB0213	DIODE DAN212K-T146
D814	36CB0213	DIODE DAN212K-T146
D815	36CB0213	DIODE DAN212K-T146
D816	36CB0213	DIODE DAN212K-T146
D817	36CB0213	DIODE DAN212K-T146
D818	36CB0213	DIODE DAN212K-T146
D819	36CB0213	DIODE DAN212K-T146
D820	36CB0213	DIODE DAN212K-T146
D821	36CB0213	DIODE DAN212K-T146
D822	36CB0213	DIODE DAN212K-T146
D823	36CB0213	DIODE DAN212K-T146
D824	36CB0213	DIODE DAN212K-T146
D825	36CB0213	DIODE DAN212K-T146
D826	36CB0213	DIODE DAN212K-T146
D827	36CB0213	DIODE DAN212K-T146
D828	36CB0213	DIODE DAN212K-T146

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SYMBOL	PARTS NO	DESCRIPTION
D829 D830 D831 D832	36CB0213 36CB0213 36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146
D833 D834 D835 D836 D837	36CB0213 36CB0213 36CB0213 36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146
D838 D839 D840 D841 D842	36CB0213 36CB0213 36CB0213 36CB0213 36CB0213	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE DAN212K-T146
D843 D844 ZD1011 ZD1012 ZD1013	36CB0213 36CB0213 36BB0093 36BB0101 36BB0093	DIODE DAN212K-T146 DIODE DAN212K-T146 DIODE RD4.7MB1-T2B(180°) DIODE RD5.6MB2-T2B(180°) DIODE RD4.7MB1-T2B(180°)
ZD1015 ZD1017 ZD1018 ZD1019 ZD1020	36880093 36880093 36880061 36880061 36880061	DIODE RD4.7MB1-T2B(180°) DIODE RD4.7MB1-T2B(180°) DIODE RD12MB-T2B DIODE RD12MB-T2B DIODE RD12MB-T2B
ZD1021 ZD1022 ZD1023 ZD1024 ZD1025	36B80061 36B80061 36B80061 36B80061 36B80061	DIODE RD12MB-T2B DIODE RD12MB-T2B DIODE RD12MB-T2B DIODE RD12MB-T2B DIODE RD12MB-T2B
ZD1036 ZD1040 ZD1041 ZD1242 ZD1301	36BB0093 36BB0085 36BB0086 36BB0097 36BB0122	DIODE RD4.7MB1-T2B(180°) DIODE RD3.3MB2-T2B(180°) DIODE RD3.6MB-T2B(180°) DIODE RD5.1MB2-T2B(180°) DIODE RD5.0MB2-T2B(180°)
ZD1401 ZD1404 ZD1405 ZD1406 ZD2001	36880108 36880108 36880061 36880108 360K3671	DIODE RD6.8MB2-T28(180°) DIODE RD6.8MB2-T28(180°) DIODE RD12MB-T28 DIODE RD6.8MB2-T28(180°) DIODE RD12ES AB2-T4
ZD2002	360K3634	DIODE RD5.1ESB(1)-T4

SYMBOL	PARTS NO	DESCRIPTION
ZD2003 ZD5002 ZD5003 ZD5004	360K3634 360K3643 360K3654 360K3623	DIODE RD5.1ESB(1)-T4 DIODE RD6.2ES AB2-T4 DIODE RD8.2ES AB1-T4 DIODE RD3.9ESB(1)-T4
ZD5007 ZD5008 ZD5009 ZD5010 ZD5501	360K3662 360K3658 360K3658 360K3634 360K3671	DIODE RD10ESB(1)-T4 DIODE RD9.1ESB(1)-T4 DIODE RD9.1ESB(1)-T4 DIODE RD5.1ESB(1)-T4 DIODE RD5.2ESB(1)-T4
Z05502 Z05503 Z07201 Z07202 Z07501	360K3688 360K3635 36BB0098 36BB0088 36BB0098	DIODE RD18ES AB3-T4 DIODE RD5.1ESB(2)-T4 DIODE RD5.1MB3-TZB(180°) DIODE RD3.6MB2-TZB(180°) DIODE RD5.1MB3-TZB(180°)
Z07502 Z07503 ZD7504 ZD7505 ZD7506	36BB0071 36BB0071 36BB0071 36BB0071 36BB0071	DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°)
ZD7507 ZD7508 ZD7509 ZD7510 ZD7511	36880071 36880071 36880071 36880071 36880071	DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°)
ZD7512 ZD7513 ZD7514 ZD7515 ZD7516	36880071 36880071 36880071 36880071 36880071	DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°) DIODE RD15MB2-T2(180°)
ZD7517 ZD8002 ZD8003 ZD8004 ZD8005	36880071 36880108 36880108 36880097 36880105	DIODE RD15MB2-T2(180°) DIODE RD6.8MB2-T2B(180°) DIODE RD6.8MB2-T2B(180°) DIODE RD5.1MB2-T2B(180°) DIODE RD6.2MB2-T2B(180°)
ZD8006 ZD8007 ZD8008 ZD801 ZD802	36880105 36880105 36880105 36880099 36880099	DIODE RD6.2MB2-T2B(180°) DIODE RD6.2MB2-T2B(180°) DIODE RD6.2MB2-T2B(180°) DIODE RD5.6MB-T2B(180°) DIODE RD5.6MB-T2B(180°)
ZD803	36BB0099	DIODE RD5.6MB-T2B(180°)

SYMBOL	PARTS NO	DESCRIPTION
		<u></u>
ZD804 ZD805 ZD806	36880099 36880097 36880099	DIODE RD5.6MB-T2B(180°) DIODE RD5.1MB2-T2B(180°) DIODE RD5.6MB-T2B(180°)
ZD807	36880099	DIODE RD5.6MB-T2B(180°)
*** TR/	ANSFORMERS :	***
L5002 L5006 T5002 T5003 T5501 T5502	46207001 46316606 47105429 46316604 47710022 45805001	COIL, CHOKE 2MH COIL, CHOKE F.B.T (MSU1FHN49) TRANS, DYNAMIC FOCUS TRANS, H. OUT TRANS, H. OUT
*** VAF	RIABLE RESIST	ORS ***
VR1001 VR1201 VR1301 VR1401 VR2001	41505205 41071222 41071213 41071011 41505210	R,VARIABLE B5.0K R,VARIABLE B330K R,VARIABLE B10K R,VARIABLE B4.7K R,VARIABLE B200K
VR2002 VR7201 VR7202 VR7401 VR8001	41505107 410G1210 410G1210 410G1205 410G1222	R,VARIABLE B5K R,VARIABLE B3.3K R,VARIABLE B3.3K R,VARIABLE B470 R,VARIABLE B330K
*** REL	AYS & SWITCHE	\$ ***
RL5501 RL5502 RL5503 RL5504 RL5505	65602521 65602521 65602521 65602521 65602157	RELAY G6C-1114P RELAY G6C-1114P RELAY G6C-1114P RELAY G6C-1114P RELAY
RL8101 RL8102 RL8103 SW1001 S101	65602571 65602571 65602571 653F1038 65313308	RELAY G6E-134P-US.DC12V RELAY G6E-134P-US.DC12V RELAY G6E-134P-US.DC12V PUSH SWITCH PUSH SWITCH BUTTON
\$102	65361049	SW.TACT

SYMBOL	PARTS NO	DESCRIPTION
\$107	65361049	SW.TACT
\$1401	65113508	SWITCH.SLIDE
\$701	65113270	SWITCH.SLIDE
\$702	65113270	SWITCH.SLIDE
\$703	65113270	SWITCH.SLIDE
\$7501	65121105	SWITCH, SLIDE
\$801	65113270	SWITCH, SLIDE
\$802	65113270	SWITCH, SLIDE
\$803	65113270	SWITCH, SLIDE
\$804	65113508	SWITCH, SLIDE
*** CO1	LS & FILTERS	***
CF7201 DL7201 DL7202 DL7203	39603402 611A1008 61511048 61EA1638 61EA1639	FOCUS CONTROL VOLUME CERAMIC TRAP DELAY LINE D.3US DELAY LINE D.1US DELAY LINE O.25US
F85001	61605005	FERRITE BEADS 5*10*1.8
F85002	61605005	FERRITE BEADS 5*10*1.8
F85501	61605008	FERRITE BEADS 3.5*5*1.3
F85502	61605008	FERRITE BEADS 3.5*5*1.3
F85503	61605008	FERRITE BEADS 3.5*5*1.3
FL7401	39KB6276	L.P.F 8MHZ TH355LSJ-5728
FL7402	39KB6276	L.P.F 8MHZ TH355LSJ-5728
FL7403	39KB6276	L.P.F 8MHZ TH355LSJ-5728
FL801	616K6814	NOIZE FILTER
FL802	616K6814	NOIZE FILTER
FL803	616K6814	NOIZE FILTER
FL804	616K6814	NOIZE FILTER
FL805	616K6823	NOISE FILTER
FL806	616K6814	NOIZE FILTER
FL807	616K6823	NOISE FILTER
FL808 FL809 FL8100 FL8101 FL8102	616K6814 616K6814 61605007 61605007	NOIZE FILTER NOIZE FILTER FERRITE BEADS 2.5*1.2*0.7 FERRITE BEADS 2.5*1.2*0.7 FERRITE BEADS 2.5*1.2*0.7
L1001 L1002	610F7514 610F7514	COIL, FILTER 5.6UH

SYMBOL	PARTS NO	DESCRIPTION
L101 L1010 L1020	610E1743 610F7514 610F7529	COIL, FILTER 1500UH COIL, FILTER 5.6UH COIL, FILTER 100UH
L5001 L5003 L5004 L5005 L5501	610G0233 61099118 61099140 61099140 60917073	FILTER CHOKE PJ8T-470K FILTER COIL COIL,FILTER 100L P!10 COIL,FILTER 100L P!10 COIL,H.LIN
L5502 L5503 L5504 L5505 L7201	60917073 61099126 61099141 61099118 610E1710	COIL,H.LIN COIL,FILTER 330UH COIL,CHOKE FILTER COIL COIL,FILTER 2.7UH
L7202 L7203 L7204 L7205 L7206	610E1727 610E1728 610E1720 610E1725 610E1725	COIL, FILTER 68UH COIL, FILTER 82UH COIL, FILTER 18UH COIL, FILTER 47UH COIL, FILTER 47UH
L7207 L7208 L7209 L7210 L7211	610E1725 610E1725 610E1725 610E1723 610E1724	COIL, FILTER 47UH COIL, FILTER 47UH COIL, FILTER 47UH COIL, FILTER 39UH COIL, FILTER 39UH
L7212 L7213 L7401 L7402 L7403	610E1725 610E1725 610E1731 610E1733 610E1733	COIL, FILTER 47UH COIL, FILTER 47UH COIL, FILTER 150UH COIL, FILTER 220UH COIL, FILTER 220UH
L7404 L8001 L8101 L8103 L8104	610E1733 610E1705 610E1705 610E1746 610E1705	COIL,FILTER 220UH COIL,FILTER 1.0UH COIL,FILTER 1.0UH COIL,FILTER 1.0UH COIL,FILTER 1.0UH
L8106 L8107 L8109 L901 L902	610E1746 610E1705 610E1746 610E1750 610E1750	COIL, FILTER 0.22UH COIL, FILTER 1.0UH COIL, FILTER 0.22UH COIL, FILTER 0.47UH COIL, FILTER 0.47UH
L903	610E1750	COIL, FILTER 0.47UH

SYMBOL	PARTS NO	DESCRIPTION
T5503 T5504 T5505 T5506	60917089 60917089 60917089 60917089	COIL,LIN COIL,LIN COIL,LIN
WI DEG X1003 X7203 X7401	61329102 61111015 61111805 61111015	COIL, DEGAUSSING CERAMIC OSC CSB500F2 CERAMIC OSC CSB503F30 CERAMIC OSC CSB500F2
*** PW	B ASSYS ***	
	933D4DA2 933D4DB2 933D4G02 933J2TA2 933J2TB2 933J2F02 933D4H02	DEF PWB ASSY SW-LED PWB ASSY V-CRT PWB ASSY VIDEO I/O PWB ASSY RGB OUT- PWB ASSY CPU/OSC PWB ASSY HV PWB ASSY
*** ELE	CTRICAL PARTS	& MISCELLANEOUS PARTS ***
	31710044	FAN MOTOR

*** ELE	CTRICAL PARTS	& MISCELLANEOUS PARTS ***
	31710044 31710045 63010112 68043001 70800033	FAN MOTOR FAN MOTOR SPEAKER 90*55 16H 5W ALN BATTERY,DRY CELL SUM-3 LINE CORD
D.Y FR5501 FR5502	79644641 79644841 48007486 39030098 39030098	RD-346E POWER UNIT DEFLECTION YOKE R.NETWORK 4*4.7K 5% 1/8W R.NETWORK 4*4.7K 5% 1/8W
1 C2001	79644661	HV CONTROL UNIT
M701	71123500	BOARD.BNC
M703	70057312	SOCKET.DIN 4P TCS7949
M704	70057008	DIN SOCKET 4P
M705	71123500	BOARD.BNC
M707	70057312	SOCKET,DIN 4P TCS7949
M708	70057008	DIN SOCKET 4P
M709	70051827	JACK,PIN 4P JPJ0918
M710	70051827	JACK,PIN 4P JPJ0918
M711	70051827	JACK,PIN 4P JPJ0918
M721	.71199046	PUSH TERMINAL (4P)
M7501	70056200	D-SUB SOCKET (15PIN)
M7502	70056200	D-SUB SOCKET (15PIN)

SYMBOL	PARTS NO	DESCRIPTION
M7503 M7504	70505027 70505027	HEADPHONE JACK HEADPHONE JACK
M801 M802 M803 SG/CRT SG5001	70056200 70056475 71123501 70032272 66706003	D-SUB SOCKET (15PIN) CONNECTOR, D-SUB BOARD, BNC SG/CRT SOCKET SPARK GAP 2.0KV
\$6901 \$6902 \$6903 \$6904 \$6905	66706001 66706001 66706001 66706001 66706001	SPARK GAP 1.2KV SPARK GAP 1.2KV SPARK GAP 1.2KV SPARK GAP 1.2KV SPARK GAP 1.2KV
SK1004 SK1006 SK1010 X1001 X1002	70102924 70102141 70102924 64098039 640J9218	SOCKET, IC 64P SOCKET, IC 8P SOCKET, IC 64P X'TAL(10.000MHZ) X'TAL 0SC 9.8304MHZ
X7201 X7202 X7402 X7403	64003027 64003022 64099203 64099202	X'TAL 4.43MHZ(NDK) X'TAL OSC 3.58MHZ X'TAL OSC 14.318MHZ X'TAL OSC 17.73MHZ(KDS)
*** APF	PEARANCE PARTS	S ***
	70301534 70301536 70301537 24B15751	RUBBER WEDGE FERRITE SHEET FERRITE SHEET(60MM) LED SPACER(H95)
	24C00111 24DT6451 24DT6171 24D08453 24D10121	CLAMPER, WIRE (D15) FRONT CABINET ASSY BACK COVER ASSY CABINET FRONT PANEL
· · ·	24D10131 24F25001 24F25011 24F25021 24F27761	BACK COVER ADHESIVE PIECE A ADHESIVE PIECE B ADHESIVE PIECE C INDICATOR(POW)
	24F27801 24F27931 24GT1381 24G04461 24G04471	HANDLE CHASSIS BASE BUTTON (POW) ASSY BUTTON (CTL) BUTTON (POW)

SYMBOL	PARTS NO	DESCRIPTION
	24H25771 24H25781 24H25791 24H25791 24J06871 24J07371	SIDE FRAME(R) SIDE FRAME(L) BACK FRAME RUBBER FOOT A CUSHION SHEET(17*140*0.5)
	24J07382 24J07442 24J12321 24K23081 24K23091	CUSHION SHEET (90*22*0.35) SHEET (FRONT) CUSHION(30*27*T17) INLAY(TERMINAL) INLAY(SENSOR)
*** PR	24L37871	SPEC PLATE
AAA PR	24806961 24813191 24MU1071 24MU1081 24MU2111 24M09081 78408481	BAG, POLYETHYLENE (270*370) BAG, POLYETHYLENE (150*370) SPACER(T) SPACER(B) CARTON BOX BAG, PROTECTION USER'S MANUAL
*** RE	SISTORS ***	
R1150 R1170 R1171 R1172 R1188	401G6109 40178135 40178135 40178135 40372137	R.CARBON 2.2H 5% 1/4W R.CARBON 27H 5% R.CARBON 27H 5% R.CARBON 27H 5% R.METAL 33H 5% 2W
R1210 R1211	401H5661 401G6109	R,CARBON 330H 5% 1/2W R,CARBON 2.2H 5% 1/4W

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SYMBOL	PARTS NO	DESCRIPTION
R1234	40166109	R, CARBON 2.2H 5% 1/4W
R1239 R1295	40178133	R, CARBON 22H 5% 1/2W R, METAL 56H 5% 3W
R1308	40373107	R,METAL 1.8H 5% 3W
R1309 R1426	401G6141 40372169 40371101	R.CARBON 47H 5% 1/4W R.METAL 680H 5% 2W R.METAL 1.0H 5% 1W
R1427 R1428	404C1717	R, METAL 68K 1% 1/6W
R1429 R1430	401H5721 40372157	R,CARBON 100K 5% 1/2W R,METAL 220H 5% 2W
R2001 R2002	404C1742 404C1725	R.METAL 750K 1% 1/6W R.METAL 150K 1% 1/6W
R2004	401K5683	R.CARBON 2.7K 5% 1/6W
R2005 R2006	401K5697 404C1696	R,CARBON 10K 5% 1/6W R,METAL 9.1K 1% 1/6W
R2007 R2008 R2009	404C1697 404C1721 401K5709	R.METAL 10K 1% 1/6W R.METAL 100K 1% 1/6W R.CARBON 33K 5% 1/6W
R2010	404C1711	R, METAL 39K 1% 1/6W
R2011 R2012	404C1677 404C1697	R, METAL 1.5K 1% 1/6W R, METAL 10K 1% 1/6W
R2013 R2014	401K5721 401K5697	R, CARBON 100K 5% 1/6W R, CARBON 10K 5% 1/6W
R5001	40106695	R,CARBON 8.2K 5% 1/4W R,CARBON 6.8K 5% 1/6W
R5002 R5003 R5004	401K5693 401G6125 401C6685	R.CARBON 6.8K 5% 1/6W R.CARBON 10H 5% 1/4W R.CARBON 3.3K 5% 1/4W
R5005	401K5649	R. CARBON 100H 5% 1/6W
R5006 R5007	401K5633 401K5633	R,CARBON 22H 5% 1/6W R,CARBON 22H 5% 1/6W
R5008 R5009	401K5633 401K5633	R.CARBON 22H 5% 1/6W R.CARBON 22H 5% 1/6W
R5010	401K5633	R,CARBON 22H 5% 1/6W
R5011 R5012	401K5633 401K5633	R.CARBON 22H 5% 1/6W R.CARBON 22H 5% 1/6W
R5013 R5014 R5015	40371103 404KB718 401K5609	R,METAL 1.2H 5% 1W R,METAL 75K 1% 1/4W R,CARBON 2.2H 5% 1/6W
R5015	404KB718	R,METAL 75K 1% 1/4W
	1	

SYMBOL	PARTS NO	DESCRIPTION
R5017	401C6641	R.CARBON 47H 5% 1/4W
R5018	404C1697	R.METAL 10K 1% 1/6W
R5019	401K5673	R.CARBON 1.0K 5% 1/6W
R5020	401K5673	R.CARBON 1.0K 5% 1/6W
R5021	401K5709	R,CARBON 33K 5% 1/6W
R5022	401K5721	R,CARBON 100K 5% 1/6W
R5023	401K5721	R,CARBON 100K 5% 1/6W
R5024	401K5709	R,CARBON 33K 5% 1/6W
R5025	401K5721	R,CARBON 100K 5% 1/6W
R5026	401K5721	R.CARBON 100K 5% 1/6W
R5027	401K5709	R.CARBON 33K 5% 1/6W
R5028	401K5715	R.CARBON 56K 5% 1/6W
R5029	401K5633	R.CARBON 22H 5% 1/6W
R5030	401K5697	R.CARBON 10K 5% 1/6W
R5031	401C6633	R,CARBON 22H 5% 1/4W
R5034	401K5697	R,CARBON 10K 5% 1/6W
R5035	401K5701	R,CARBON 15K 5% 1/6W
R5036	401K5697	R,CARBON 10K 5% 1/6W
R5038	401K5699	R,CARBON 12K 5% 1/6W
R5039	401K5673	R.CARBON 1.0K 5% 1/6W
R5040	401K5673	R.CARBON 1.0K 5% 1/6W
R5041	401K5709	R.CARBON 33K 5% 1/6W
R5042	40371337	R.METAL 0.47H 5% 1W
R5043	401K5685	R.CARBON 3.3K 5% 1/6W
R5044	401H5725	R.CARBON 150K 5% 1/2W
R5045	401C6633	R.CARBON 22H 5% 1/4W
R5046	40372333	R.METAL 0.33H 5% 2W
R5047	40372333	R.METAL 0.33H 5% 2W
R5051	401K5701	R.CARBON 15K 5% 1/6W
R5055	401G6101	R.CARBON 1.0H 5% 1/4W
R5057	401K5697	R.CARBON 10K 5% 1/6W
R5058	401K5697	R.CARBON 10K 5% 1/6W
R5059	401K5697	R.CARBON 10K 5% 1/6W
R5060	401K5673	R.CARBON 1.0K 5% 1/6W
R5061	404C1693	R.METAL 6.8K 1% 1/6W
R5062	40373151	R.METAL 120H 5% 3W
R5063	40373151	R.METAL 120H 5% 3W
R5064	404K2721	R.METAL 100K 5% 1/4W
R5065	401G6133	R.CARBON 22H 5% 1/4W
R5068	401K5697	R,CARBON 10K 5% 1/6W

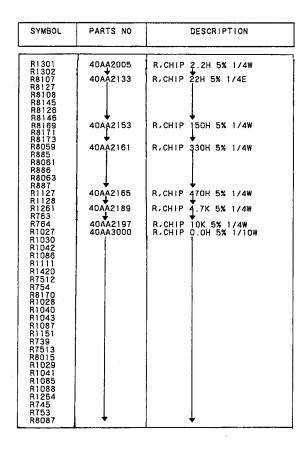
SYMBOL	PARTS NO	DESCRIPTION
R5069	401H5721	R,CARBON 100K 5% 1/2W
R5070	40372185	R,METAL 3.3K 5% 2W
R5071	40371141	R,METAL 47H 5% 1W
R5072	40371141	R,METAL 47H 5% 1W
R5073	404CA657	R,METAL 220H 1% 1/6W
R5074	401C6693	R,CARBON 6.8K 5% 1/4W
R5075	40372213	R,METAL 47K 5% 2W
R5076	401K5729	R,CARBON 220K 5% 1/6W
R5077	404C1671	R,METAL 820H 1% 1/6W
R5078	404K2713	R,METAL 47K 1% 1/4W
R5079	404K2713	R,METAL 47K 1% 1/4W
R5080	401G6173	R,CARBON 1.OK 5% 1/4W
R5081	404C1721	R,METAL 10OK 1% 1/6W
R5082	404C1697	R,METAL 10K 1% 1/6W
R5083	40083677	R,SOLID 1.5K 5% 1/2W
R5084	401K5697	R,CARBON 10K 5% 1/6W
R5086	401G6149	R,CARBON 10OH 5% 1/4W
R5089	401K5697	R,CARBON 10K 5% 1/6W
R5090	40371211	R,METAL 39K 5% 1W
R5092	401K5673	R,CARBON 1.0K 5% 1/6W
R5093	40371161	R,METAL 330H 5% 1W
R5096	401K5641	R,CARBON 47H 5% 1/6W
R5098	401C6633	R,CARBON 22H 5% 1/4W
R5099	401C6633	R,CARBON 22H 5% 1/4W
R5100	404C1721	R.METAL 100K 1% 1/6W
R5101	40224267	R.WIRE 560H 5% 7W
R5102	40224267	R.WIRE 560H 5% 7W
R5103	40224239	R.WIRE 39H 5% 7W
R5105	40224245	R.WIRE 68H 5% 7W
R5106	40224239	R,WIRE 39H 5% 7W
R5107	40224239	R,WIRE 39H 5% 7W
R5108	40224239	R,WIRE 39H 5% 7W
R5109	401K5689	R,CARBON 4.7K 5% 1/6W
R5110	40371189	R,METAL 4.7K 5% 1W
R5111	40373203	R.METAL 18K 5% 3W
R5112	40373197	R.METAL 10K 5% 3W
R5113	404C1729	R.METAL 220K 1% 1/6W
R5114	404C1703	R.METAL 18K 1% 1/6W
R5115	404C1679	R.METAL 1.8K 1% 1/6W
R5116	404C1719	R.METAL 82K 1% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R5117	401K5697	R.CARBON 10K 5% 1/6W
R5118	401K5697	R.CARBON 10K 5% 1/6W
R5119	401K5697	R.CARBON 10K 5% 1/6W
R5120	401K5697	R.CARBON 10K 5% 1/6W
R5121 R5122 R5123 R5124 R5125	404C1697 404C1687 404C1669 401K5665 40372213	R.METAL 10K 1% 1/6W R.METAL 3.9K 1% 1/6W R.METAL 680H 1% 1/6W R.CARBON 470H 5% 1/6W R.CARBON 470H 5% 1/6W R.METAL 47K 5% 2W
R5126	404C1655	R.METAL 180H 1% 1/6W
R5128	40372185	R.METAL 3.3K 5% 2W
R5129	401K5643	R.CARBON 56H 5% 1/6W
R5130	40175149	R.CARBON 100H 5% 1/4W
R5131	401K5665	R.CARBON 470H 5% 1/6W
R5132	401K5641	R,CARBON 47H 5% 1/6W
R5502	404C1697	R.METAL 10K 1% 1/6W
R5503	404C1691	R.METAL 5.6K 1% 1/6W
R5506	404C1697	R.METAL 10K 1% 1/6W
R5507	401K5713	R.CARBON 47K 5% 1/6W
R5508	401K5691	R,CARBON 5.6K 5% 1/6W
R5509	401C6733	R,CARBON 330K 5% 1/4W
R5510	401K5689	R,CARBON 4.7K 5% 1/6W
R5511	401K5699	R,CARBON 12K 5% 1/6W
R5512	401K5673	R,CARBON 1.0K 5% 1/6W
R5513	401H5677	R.CARBON 1.5K 5% 1/2W
R5514	40373199	R.METAL 12K 5% 3W
R5515	401K5673	R.CARBON 1.0K 5% 1/6W
R5516	401K5681	R.CARBON 2.2K 5% 1/6W
R5517	401K5693	R.CARBON 6.8K 5% 1/6W
R5518	401K5693	R,CARBON 6.8K 5% 1/6W
R5519	40371197	R,METAL 10K 5% 1W
R5520	401K5735	R,CARBON 39OK 5% 1/6W
R5521	40373155	R,METAL 180H 5% 3W
R5522	40373155	R,METAL 180H 5% 3W
R5523	40373155	R.METAL 180H 5% 3W
R5524	40373181	R.METAL 2.2K 5% 3W
R5525	40373181	R.METAL 2.2K 5% 3W
R5526	40166109	R.CARBON 2.2H 5% 1/4W
R5527	40373111	R.METAL 2.7H 5% 3W
R5528	40373111	R,METAL 2.7H 5% 3W

SYMBOL	PARTS NO	DESCRIPTION
R5529	40373111	R,METAL 2.7H 5% 3W
R5530	401K5633	R,CARBON 22H 5% 1/6W
R5531	401G6109	R,CARBON 2.2H 5% 1/4W
R5532	401G6109	R,CARBON 2.2H 5% 1/4W
R5533	401H5681	R,CARBON 2.2K 5% 1/2W
R5534	40372137	R,METAL 33H 5% 2W
R5536	401K5713	R,CARBON 47K 5% 1/6W
R5537	401K5713	R,CARBON 47K 5% 1/6W
R5538	401K5697	R,CARBON 10K 5% 1/6W
R5539	401K5705	R,CARBON 22K 5% 1/6W
R5540	401K5697	R,CARBON 10K 5% 1/6W
R5541	401K5697	R,CARBON 10K 5% 1/6W
R5542	401K5705	R,CARBON 22K 5% 1/6W
R5543	401K5701	R,CARBON 15K 5% 1/6W
R5544	401K5701	R,CARBON 15K 5% 1/6W
R5545	401K5701	R,CARBON 15K 5% 1/6W
R5546	401K5701	R,CARBON 15K 5% 1/6W
R5547	401K5701	R,CARBON 15K 5% 1/6W
R5548	401K5697	R,CARBON 10K 5% 1/6W
R5549	401K5701	R,CARBON 15K 5% 1/6W
R5550	401K5701	R,CARBON 15K 5% 1/6W
R5553	401K5655	R,CARBON 180H 5% 1/6W
R5554	401K5655	R,CARBON 180H 5% 1/6W
R5556	40372173	R,METAL 1.0K 5% 2W
R5557	40372159	R,METAL 270H 5% 2W
R5558	40372159	R,METAL 270H 5% 2W
R5559	40372159	R,METAL 47H 5% 1W
R5560	40371141	R,METAL 47H 5% 1W
R5561	40371141	R,METAL 47H 5% 1W
R5562	40371141	R.METAL 47H 5% 1W
R5569	404C1734	R.METAL 360K 1% 1/6W
R5570	404C1721	R.METAL 160K 1% 1/6W
R5571	404C1726	R.METAL 160K 1% 1/6W
R5574	401K5693	R.CARBON 6.8K 5% 1/6W
R5575	404C1732	R.METAL 300K 1% 1/6W
R5577	404C1713	R.METAL 47K 1% 1/6W
R5578	404C1743	R.METAL 820K 1% 1/6W
R5580	401K5693	R.CARBON 6.8K 5% 1/6W
R5581B	401KE649	R.CARBON 100H 5% 1/6W
R5582	401K5649	R.CARBON 100H 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R8005	40372135	R,METAL 27H 5% 2W
R8035	40371163	R,METAL 390H 5% 1W
R805	40178159	R,CARBON 270H 5% 1/2W
R806	40405109	R,METAL 2.2H 5% 1/4W
R8103	40371139	R.METAL 39H 5% 1W
R8111	401H5661	R.CARBON 330H 5% 1/2W
R8112	40224189	R.WIRE 4.7K 5% 5W
R8113	40224191	R.WIRE 5.6K 5% 5W
R8114	40224192	R.WIRE 6.2K 5% 5W
R8115	40224285	R.WIRE 3.3K 5% 7W
R8116	40224285	R.WIRE 3.3K 5% 7W
R8117	40224285	R.WIRE 3.3K 5% 7W
R8122	40371139	R.METAL 39H 5% 1W
R8130	401H5661	R.CARBON 330H 5% 1/2W
R8131	40224189	R,WIRE 4.7K 5% 5W
R8132	40224191	R,WIRE 5.6K 5% 5W
R8133	40224192	R,WIRE 6.2K 5% 5W
R8134	40224285	R,WIRE 3.3K 5% 7W
R8135	40224285	R,WIRE 3.3K 5% 7W
R8136	40224285	R,WIRE 3.3K 5% 7W
R8141	40371139	R,METAL 39H 5% 1W
R8149	401H5661	R,CARBON 330H 5% 1/2W
R8150	40224189	R,WIRE 4.7K 5% 5W
R8151	40224191	R,WIRE 5.6K 5% 5W
R8152 R8153 R8154 R8155 R863	40224192 40224285 40224285 40224285 40205125	R,WIRE 6.2K 5% 5W R,WIRE 3.3K 5% 7W R,WIRE 3.3K 5% 7W R,WIRE 3.3K 5% 7W R,WIRE 3.3K 5% 7W R,WIRE 3.3K 5% 7W
R865	40405109	R,METAL 2.2H 5% 1/4W
R901	401H5649	R,CARBON 100H 5% 1/2W
R902	401H5673	R,CARBON 1.0K 5% 1/2W
R903	401H5649	R,CARBON 1.0H 5% 1/2W
R904	401H5673	R,CARBON 1.0K 5% 1/2W
R905	401H5649	R/CARBON 100H 5% 1/2W
R906	401H5673	R/CARBON 1.0K 5% 1/2W
R907	401H5673	R/CARBON 1.0K 5% 1/2W
R908	401H5721	R/CARBON 100K 5% 1/2W

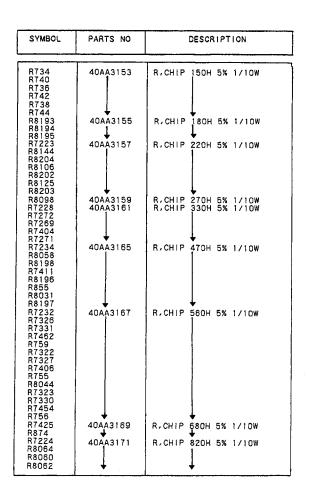
SYMBOL	PARTS NO	DESCRIPTION
R5583	401K5649	R.CARBON 100H 5% 1/6W
R5584	401K5649	R.CARBON 100H 5% 1/6W
R5585	401K5649	R.CARBON 100H 5% 1/6W
R5586	401K5649	R.CARBON 100H 5% 1/6W
R5587	401K5649	R,CARBON 100H 5% 1/6W
R5588	401K5683	R,CARBON 2.7K 5% 1/6W
R5589	401K5649	R,CARBON 100H 5% 1/6W
R5590	401G6137	R,CARBON 33H 5% 1/4W
R5591	401K5713	R,CARBON 47K 5% 1/6W
R5592	401K5713	R,CARBON 47K 5% 1/6W
R5593	401K5713	R,CARBON 47K 5% 1/6W
R5594	401K5713	R,CARBON 47K 5% 1/6W
R5596	401G6109	R,CARBON 2.2H 5% 1/4W
R5597	40371155	R,METAL 180H 5% 1W
R5598	401K5633	R.CARBON 22H 5% 1/6W
R5599	401K5633	R.CARBON 22H 5% 1/6W
R5600	401K5633	R.CARBON 22H 5% 1/6W
R5604	40372137	R.METAL 33H 5% 2W
R5605	40178173	R.CARBON 1.0K 5% 1/2W
R5607	401K5625	R.CARBON 10H 5% 1/6W
R5608	401K5625	R.CARBON 10H 5% 1/6W
R5609	401C6679	R.CARBON 1.8K 5% 1/4W
R5610	404C1707	R.METAL 27K 1% 1/6W
R5618	40373333	R.METAL 0.33H 5% 3W
R5640	401K5743	R,CARBON 820K 5% 1/6W
R5641	401K5743	R,CARBON 820K 5% 1/6W
R5642	401K5743	R,CARBON 820K 5% 1/6W
R5643	401K5743	R,CARBON 820K 5% 1/6W
R5644	401K5743	R,CARBON 820K 5% 1/6W
R5645	401K5743	R/CARBON 820K 5% 1/6W
R5646	401K5743	R/CARBON 820K 5% 1/6W
R7308B	401K5690	R/CARBON 5.1K 5% 1/6W
R7310	40371155	R/METAL 180H 5% 1W
R7340	40372143	R/METAL 180H 5% 1W
R7341	40372143	R.METAL 56H 5% 2W
R7342	40372131	R.METAL 18H 5% 2W
R7343	40372131	R.METAL 18H 5% 2W
R7506	40405109	R.METAL 2.2H 5% 1/4W
R769	40371117	R.METAL 4.7H 5% 1W
R8004	40372135	R.METAL 27H 5% 2W



SYMBOL	PARTS NO	DESCRIPTION
R7424 R844 R838 R841	40AA3125 40AA3133	R,CHIP 10H 5% 1/10W
R7209 R7260 R7333 R757 R8104	4UAA3133	K.CHIP
R8205 R7256 R7325 R7468		
R758 R8123 R8206 R7257 R7329		
R7469 R760 R8142 R8207		
R831 R859 R883 R896	40AA3133	R,CHIP 22H 5% 1/10W
R832 R860 R884 R897		
R833 R861 R895 R898		
R7242 R7437 R893 R894	40AA3143 40AA3146	R.CHIP 56H 5% 1/10W R.CHIP 75H 5% 1/10W

SYMBOL	PARTS NO	DESCRIPTION
R75015 R75015 R75023 R85047 R85024 R86047 R86024 R86024 R8658 R900845 R8110095 R11107 R1111407 R711407 R711407		

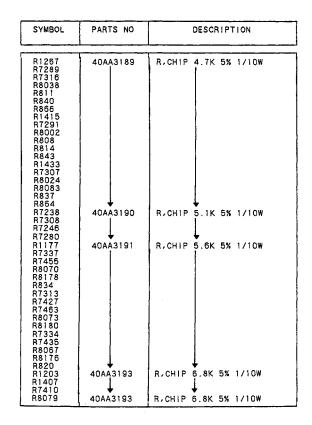
SYMBOL	PARTS NO	DESCRIPTION
R1093 R10996 R11098 R11098 R11098 R11108 R11114 R11114 R11121 R11121 R11121 R11231 R11	40AA3149	R,CHIP 100H 5% 1/10W



SYMBOL	PARTS NO	DESCRIPTION
R8048 R8048 R8057 R10991 R111209 R111229 R111229 R111235 R1122067 R712706 R712706 R772706 R772706 R773128 R773128 R773128 R773128 R773128 R773128 R773128 R773128 R773128 R773128 R773128 R773128 R773128 R773128 R773128 R773128 R773128 R773128 R773128 R7731328 R774313 R774318 R77	40AA3172 40AA3173	R,CHIP 1.0K 5% 1/10W

SYMBOL	PARTS NO	DESCRIPTION
R1263 R7309 R1265 R8086 R1403	40AA3181	R,CHIP 2.2K 5% 1/10W
R8159 R1303 R1305	40AA3183	R.CHIP 2.7K 5% 1/10W
R7276 R7276 R77426 R7744659 R78550 R8877 R8812051 R8878 R874418 R874418 R874418 R744719 R878 R774719 R878 R774719 R78018	40AA3185	R.CHIP 3.3K 5% 1/10W
R879 R1230 R8069 R8096 R1304 R8072 R8066 R8084	40AA3187	R,CHIP 3.9K 5% 1/10W

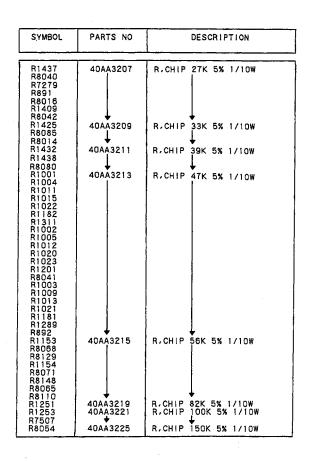
SYMBOL	PARTS NO	DESCRIPTION
R1090 R11036 R111047 R111251 R111344 R11238 R12385 R72366 R72857 R72857 R72858 R7350 R7428 R7428 R7428 R7428 R7450 R7450 R8082 R8082 R8082 R8082 R8085	40AA3173	R,CHIP .OK 5% 1/10W
R8186 R8081 R8081 R1215 R7429 R876 R7471 R873 R1173 R1174 R7335 R1175	40AA3175 40AA3177 40AA3179	R.CHIP 1.2K 5% 1/10W R.CHIP 1.5K 5% 1/10W R.CHIP 1.8K 5% 1/10W
R7338 R7241 R7290 R7293	40AA3180	R.CHIP 2.0K 5% 1/10W



SYMBOL	PARTS NO	DESCRIPTION
R1228 R7403 R742934 R742934 R10018 R100120096 R1020096 R112250 R112250 R114418 R114418 R114418 R114417	40AA3197	R,CHIP 8.2K 5% 1/10W

SYMBOL	PARTS NO	DESCRIPTION
R1189 R7430 R80123 R80179 R81416 R80101 R80101 R8175 R1419 R80175 R1419 R80175	40AA3199	R.CHIP 12K 5% 1/10W
R8177 R1180 R7408 R1227 R8003 R1405	40AA3201	R,CHIP 15K 5% 1/10W
R8006 R8006 R80047 R811479 R11277 R11277 R11277 R11285 R1307 R11285 R1307 R11285 R1287 R12886 R12886 R12776 R12887 R12887 R1287	40AA3201 40AA3203 40AA3205	R,CHIP 15K 5% 1/10W R,CHIP 18K 5% 1/10W R,CHIP 22K 5% 1/10W

SYMBOL	PARTS NO	DESCRIPTION
R1431 R1431 R7253 R73037 R74059 R73017 R74009 R75082 R80990 R80990 R80990 R80990 R80990 R80990 R81168 R8462 R8889 R810244 R812259 R812259 R812259 R81400 R812259 R81400 R8		



SYMBOL	PARTS NO	DESCRIPTION
R704 R719 R7130 R7130 R7130 R7130 R8119 R8265 R87021 R77467 R8172 R877437 R8172 R7768 R87021 R7768 R8128 R7768 R8128 R7768 R8128 R7768 R8128 R7768 R8128 R7768 R77	40AA3229 40AA3233 40AA3243 40AA3257 40AB2146	R,CHIP 220K 5% 1/10W R,CHIP 330K 5% 1/10W R,CHIP 820K 5% 1/10W R,CHIP 1.0M 5% 1/10W R,CHIP 3.3M 5% 1/10W R,CHIP 75H 1% 1/4W
R825	. ◆	◆

SYMBOL	PARTS NO	DESCRIPTION
R1408 R1235	40AB3199 40AB3201	R,CHIP 12K 1% 1/10W R,CHIP 15K 1% 1/10W
R1232 R7312	40AB3203	R,CHIP 18K 1% 1/10W
R1241 R1242 R1250	40AB3205	R,CHIP 22K 1% 1/10W
R1252 R7311	40AB3209 40AB3211 40AB3217	R,CHIP 33K 1% 1/10W R,CHIP 39K 1% 1/10W R,CHIP 68K 1% 1/10W
R1213 R1155	40AB3220 40AB3231	R,CHIP 91K 1% 1/10W R,CHIP 270K 1% 1/10W

SYMBOL	PARTS NO	DESCRIPTION
R701 R716 R702 R717 R703	40AB3146	R.CHIP 75H 1% 1/10W
R718 R7450	40AB3157	R.CHIP 220H 1% 1/10W
R7458 R7240 R7239	40AB3159	R.CHIP 270H 1% 1/10W
R7244 R7243 R7434	40AB3165 40AB3167	R,CHIP 470H 1% 1/10W R,CHIP 560H 1% 1/10W
R1212 R8046 R8050	40AB3170 40AB3172	R,CHIP 750H 1% 1/10W R,CHIP 910H 1% 1/10W
R8053 R1246 R7248	40AB3173	R.CHIP .OK 1% 1/10W
R7251 R7225 R7439 R7249 R7446	40AB3175	R,CHIP 1.2K 1% 1/10W
R7252 R7226 R7467 R7448 R7449	40AB3177	R,CHIP 1.5K 1% 1/10W
R8023 R7445	40AB3181 40AB3185	R,CHIP 2.2K 1% 1/10W R,CHIP 3.3K 1% 1/10W
R7447 R1222 R1233	40AB3187	R.CHIP 3.9K 1% 1/10W
R7281 R8199 R8200	40AB3188	R.CHIP 4.3K 1% 1/10W
R8201 R7438 R1152 R1292 R1237 R1217 R1218 R1266	40AB3189 40AB3191 40AB3193 40AB3195 40AB3195	R,CHIP 4.7K 1% 1/10W R,CHIP 5.6K 1% 1/10W R,CHIP 6.8K 1% 1/10W R,CHIP 8.2K 1% 1/10W R,CHIP 10K 1% 1/10W

SYMBOL	PARTS NO	DESCRIPTION
*** (APACITORS ***	
C1003	42AA2726	C.CERAMIC 50V 0.01UF
C1004	42CA1416	C.CERAMIC 50V 10PF
C1005	42CA1416	C.CERAMIC 50V 10PF
C1007	42AA2726	C.CERAMIC 50V 0.01UF
C1008	430B9032	C.ELEC 16V 470UF
C1009	42AA2726	C,CERAMIC 50V 0.01UF
C101	430C0047	C,ELEC 16V 47UF
C1010	42AA2726	C,CERAMIC 50V 0.01UF
C1011	42AA2726	C,CERAMIC 50V 0.01UF
C1012	42AA2726	C,CERAMIC 50V 0.01UF
C1013	42AA2726	C,CERAMIC 50V 0.01UF
C1014	42CA1432	C,CERAMIC 50V 47PF
C1020	42CA1416	C,CERAMIC 50V 10PF
C1021	42CA1416	C,CERAMIC 50V 10PF
C1023	42AA2726	C,CERAMIC 50V 0.01UF
C1024	42AA2726	C,CERAMIC 50V 0.01UF
C1025	42AA2726	C,CERAMIC 50V 0.01UF
C1026	42AA2726	C,CERAMIC 50V 0.01UF
C1027	430B9025	C,ELEC 16V 10UF
C1028	430B9025	C,ELEC 16V 10UF
C1029	430B9025	C,ELEC 16V 10UF
C1030	430B9025	C,ELEC 16V 10UF
C1031	42AA2726	C,CERAMIC 50V 0.01UF
C1032	42AA2726	C,CERAMIC 50V 0.01UF
C1050	42AA2726	C,CERAMIC 50V 0.01UF
C1051	42AA2726	C,CERAMIC 50V 0.01UF
C1053	42CA1432	C,CERAMIC 50V 47PF
C1054	42CA1432	C,CERAMIC 50V 47PF
C1059	42CA1432	C,CERAMIC 50V 47PF
C1060	42CA1432	C,CERAMIC 50V 47PF
C1061	42CA1432	C,CERAMIC 50V 47PF
C1062	42CA1432	C,CERAMIC 50V 47PF
C1063	42CA1432	C,CERAMIC 50V 47PF
C1064	42CA1432	C,CERAMIC 50V 47PF
C1065	42CA1432	C,CERAMIC 50V 47PF
C1066	42CA1432	C,CERAMIC 50V 47PF
C1067	42CA1432	C,CERAMIC 50V 47PF
C1068	42CA1432	C,CERAMIC 50V 47PF

SYMBOL	PARTS NO	DESCRIPTION
C1071	42CA1432	C,CERAMIC 50V 47PF
C1072	42CA1432	C,CERAMIC 50V 47PF
C1073	42CA1432	C,CERAMIC 50V 47PF
C1074	42CA1432	C,CERAMIC 50V 47PF
C1075	42AA2726	C,CERAMIC 50V 0.01UF
C1076	42AA2726	C,CERAMIC 50V 0.01UF
C1077	42AA2726	C,CERAMIC 50V 0.01UF
C1078	42AA2726	C,CERAMIC 50V 0.01UF
C1079	42CA1432	C,CERAMIC 50V 47PF
C1080	42CA1432	C,CERAMIC 50V 47PF
C1081	42AA2726	C,CERAMIC 50V 0.01UF
C1082	42AA2726	C,CERAMIC 50V 0.01UF
C1083	42AA2726	C,CERAMIC 50V 0.01UF
C1086	42CA1432	C,CERAMIC 50V 47PF
C1087	42CA1432	C,CERAMIC 50V 47PF
C1088	42CA1432	C,CERAMIC 50V 47PF
C1089	42CA1432	C,CERAMIC 50V 47PF
C1090	42CA1432	C,CERAMIC 50V 47PF
C1091	42CA1432	C,CERAMIC 50V 47PF
C1092	42CA1432	C,CERAMIC 50V 47PF
C1093	42CA1432	C,CERAMIC 50V 47PF
C1094	42CA1432	C,CERAMIC 50V 47PF
C1095	42CA1432	C,CERAMIC 50V 47PF
C1097	430C0244	C,ELEC 16V 47UF
C1099	42AA2726	C,CERAMIC 50V 0.01UF
C1100	42CA1432	C,CERAMIC 50V 47PF
C1101	42CA1432	C,CERAMIC 50V 47PF
C1102	42CA1432	C,CERAMIC 50V 47PF
C1103	42CA1432	C,CERAMIC 50V 47PF
C1104	42CA1432	C,CERAMIC 50V 47PF
C1105	42CA1432	C,CERAMIC 50V 47PF
C1106	42CA1432	C,CERAMIC 50V 47PF
C1107	42CA1432	C,CERAMIC 50V 47PF
C1108	42CA1432	C,CERAMIC 50V 47PF
C1109	42CA1432	C,CERAMIC 50V 47PF
C1110	42CA1432	C,CERAMIC 50V 47PF
C1111	42CA1432	C,CERAMIC 50V 47PF
C1112	42CA1432	C,CERAMIC 50V 47PF
C1113	42CA1432	C,CERAMIC 50V 47PF

SYMBOL	PARTS NO	DESCRIPTION
C1114	42CA1432	C.CERAMIC 50V 47PF
C1115	42CA1432	C.CERAMIC 50V 47PF
C1139	430B9029	C.ELEC 16V 100UF
C1140	430B9045	C,ELEC 25V 470UF
C1141	430B9045	C,ELEC 25V 470UF
C1142	430B9045	C,ELEC 25V 470UF
C1145	430B9057	C,ELEC 35V 470UF
C1146	42AA2726	C,CERAMIC 50V 0.01UF
C1147	43089045	C,ELEC 25V 470UF
C1148	43089057	C,ELEC 35V 470UF
C1149	42AA2726	C,CERAMIC 50V 0.01UF
C1150	42AA2726	C,CERAMIC 50V 0.01UF
C1151	43089054	C,ELEC 35V 100UF
C1152	430B9045	C,ELEC 25V 470UF
C1153	42AA2726	C,CERAMIC 50V 0.01UF
C1154	430B9042	C,ELEC 25V 100UF
C1155	42AA2726	C,CERAMIC 50V 0.01UF
C1157	430B9032	C,ELEC 16V 470UF
C1158	42AA2726	C,CERAMIC 50V 0.01UF
C1159	430B9042	C,ELEC 25V 100UF
C1160	42AA2726	C,CERAMIC 50V 0.01UF
C1161	430B9029	C,ELEC 16V 100UF
C1162	42AA2726	C,CERAMIC 50V 0.01UF
C1163	42CA1432	C,CERAMIC 50V 47PF
C1164	42CA1432	C,CERAMIC 50V 47PF
C1165	42CA1432	C,CERAMIC 50V 47PF
C1166	42CA12726	C,CERAMIC 50V 0.01UF
C1167	430C0244	C,ELEC 16V 47UF
C1180	430B9062	C,ELEC 50V 2.2UF
C1181	430B9062	C,ELEC 50V 2.2UF
C1182	430B9062	C,ELEC 50V 2.2UF
C1183	42CA1464	C,CERAMIC 50V 1000PF
C1184	42CA1464	C,CERAMIC 50V 1000PF
C1185	430B9038	C,ELEC 25V 10UF
C1186	42AA2726	C,CERAMIC 50V 0.01UF
C1187	427F4611	C,FILM 50V 6800PF
C1188	430B9038	C,ELEC 25V 10UF
C1189	42AA2721	C,CERAMIC 50V 0.1UF
C1190	427F4611	C.FILM 50V 6800PF

SYMBOL	PARTS NO	DESCRIPTION
C1191	427F4619	C.FILM 50V 0.033UF
C1192	428B3019	C.METAL FILM 50V 0.33UF
C1193	430B9039	C.ELEC 25V 22UF
C1194	42AA2726	C.CERAMIC 50V 0.01UF
C1195	43089029	C,ELEC 16V 100UF
C1196	42CA1452	C,CHIP 50V 330PF
C1197	427F4601	C,FILM 50V 1000PF
C1199	428B3018	C,METAL FILM 50V 0.27UF
C1200	430B9041	C,ELEC 25V 47UF
C1201	427F4625	C,FILM 50V 0.1UF
C1203	42AA2721	C,CERAMIC 50V 0.1UF
C1204	42AA2721	C,CERAMIC 50V 0.1UF
C1205	42CA1464	C,CERAMIC 50V 1000PF
C1206	42AA2726	C,CERAMIC 50V 0.01UF
C1207	43089042	C,ELEC 25V 100UF
C1208	42CA1456	C,CERAMIC 50V 470PF
C1209	43089037	C,ELEC 25V 4.7UF
C1210	42883021	C,METAL FILM 50V 0.47UF
C1211	42883013	C,METAL FILM 50V 0.1UF
C1212	433A4059	C,ELEC 50V 10UF
C1213	428B3015	C,METAL FILM 50V 0.15UF
C1214	42AA2721	C,CERAMIC 50V 0.1UF
C1215	433A7045	C,ELEC 50V 4.7UF
C1218	430B9053	C,ELEC 35V 47UF
C1225	43089032	C.ELEC 16V 470UF
C1230	42CA1438	C.CERAMIC 50V 82PF
C1301	43089032	C.ELEC 16V 470UF
C1302	43089032	C.ELEC 16V 470UF
C1303	427F4675	C.FILM 50V 0.1UF
C1304	43089054	C.FLEC 35V 100UF
C1305	43089053	C.FLEC 35V 47UF
C1306	427F4675	C.FILM 50V 0.1UF
C1307	433A7045	C.FLEC 50V 4.7UF
C1308	43089053	C.FLEC 35V 47UF
C1309	433A7045	C,ELEC 50V 4.7UF
C1310	427F4609	C,FILM 50V 4700PF
C1311	427F4609	C,FILM 50V 4700PF
C1312	433A7045	C,ELEC 50V 4.7UF
C1313	433A7045	C,ELEC 50V 4.7UF
C1314	43089037	C.ELEC 25V 4.7UF

SYMBOL	PARTS NO	DESCRIPTION
C1315	42AA2721	C,CERAMIC 50V 0.1UF
C1316	430B9025	C,ELEC 16V 10UF
C1317	43026181	C,ELEC 35V 4700UF
C1318	42AA2726	C,CERAMIC 50V 0.01UF
C1319	430CF540	C,ELEC 16C 2200UF
C1322	430C0244	C,ELEC 16V 47UF
C1402	430B9039	C,ELEC 25V 22UF
C1406	430B9536	C,ELEC 200V 10UF
C1407	42AA2726	C,CERAMIC 50V 0.01UF
C1408	430B9057	C,ELEC 35V 470UF
C1409	42AA2726	C,CERAMIC 50V 0.01UF
C1410	430B9057	C,ELEC 35V 470UF
C1412	4320E402	C,ELEC 200V 10UF
C1413	42703451	C,FILM 630V 1000PF
C1414	42703451	C,FILM 630V 1000PF
C2001	430B9038	C,ELEC 25V 10UF
C2003	430B9068	C,ELEC 50V 47UF
C2004	430B9039	C,ELEC 25V 22UF
C5001	4303J224	C,ELEC 250V 4.7UF
C5003	42839022	C,METAL FILM 250V 0.1UF
C5004	43089041	C,ELEC 25V 47UF
C5005	43089552	C,ELEC 250V 1.0UF
C5006	42703451	C,FILM 630V 1000PF
C5007	423A1076	C,CERAMIC 50V 390PF
C5009	4309J183	C,ELEC 250V 10UF
C5010	43089062	C,ELEC 50V 2.2UF
C5013	43089042	C,ELEC 25V 100UF
C5014	421A0425	C,CERAMIC 50V 0.01UF
C5015	43089041	C,ELEC 25V 47UF
C5016	421A0425	C,CERAMIC 50V 0.01UF
C5017	421D6009	C,CERAMIC 25V 0.1UF
C5018	421D6009	C,CERAMIC 25V 0.1UF
C5019	421A0425	C,CERAMIC 50V 0.01UF
C5020	421D6009	C,CERAMIC 50V 0.1UF
C5022	43089041	C.ELEC 25V 47UF
C5023	421A0425	C.CERAMIC 50V 0.01UF
C5024	421D6009	C.CERAMIC 25V 0.1UF
C5025	421A0425	C.CERAMIC 50V 0.01UF
C5026	423A2045	C.CERAMIC 50V 100PF
C5027	42106009	C.CERAMIC 25V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C5029	4320E403	C,ELEC 200V 100UF
C5030	42839022	C,METAL FILM 250V 0.1UF
C5031	430B9028	C,ELEC 16V 47UF
C5032	42807507	C,FILM 1.6KV 1800PF
C5033	42703458	C,FILM 630V 3900PF
C5036	421A0425	C,CERAMIC 50V 0.01UF
C5037	421A0425	C,CERAMIC 50V 0.01UF
C5038	433A7021	C,ELEC 25V 10UF
C5039	421A0425	C,CERAMIC 50V 0.01UF
C5040	43089061	C,ELEC 50V 1.0UF
C5041	423A2045	C,CERAMIC 50V 100PF
C5042	423A2045	C,CERAMIC 50V 100PF
C5043	43089041	C,ELEC 25V 47UF
C5044	42106009	C,CELEC 25V 47UF
C5045 C5046 C5048 C5050 C5051	430BJ558 428D5093 430BJ558 4303J214 42074713	C,ELEC 250V 330UF C,METAL 250V 0.1UF C,ELEC 250V 330UF C,ELEC 200V 4.7UF C,CECE 200V 4.7UF C,CERAMIC 2.0KV 1000PF
C5052	42074713	C,CERAMIC 2.0KV 1000PF
C5053	43089025	C,ELEC 18V 10UF
C5054	43089556	C,ELEC 250V 10UF
C5055	43089536	C,ELEC 200V 10UF
C5057	42703451	C,FILM 630V 1000PF
C5058	421D6013	C,CERAMIC 50V 0.1UF
C5059	427F4667	C,FILM 50V 0.022UF
C5060	4303J214	C,ELEC 200V 4.7UF
C5061	430B9061	C,ELEC 50V 1.0UF
C5062	4309J183	C,ELEC 250V 10UF
C5063	4309J183	C.ELEC 250V 10UF
C5064	420C9563	C.CERAMIC 500V 1000PF
C5065	430B9041	C.ELEC 25V 47UF
C5066	421D6009	C.CERAMIC 25V 0.1UF
C5501	42817255	C.METAL 2KV 6800PF
C5502	42817255	C,METAL 2KV 6800PF
C5503	42807541	C,FILM 1.6K 0.043UF
C5507	42808501	C,METAL FILM 1.6KV 1000PF
C5507B	42703455	C,FILM 630V 2200PF
C5508	42703567	C,FILM 200V 0.022UF
C5509	42840149	C.METAL 250V 2.2UF 5%

SYMBOL	PARTS NO	DESCRIPTION
C5510	42839022	C,METAL FILM 250V 0.1UF
C5511	42839022	C,METAL FILM 250V 0.1UF
C5512	430B9041	C,ELEC 25V 47UF
C5513	421D6009	C,CERAMIC 25V 0.1UF
C5514	427 J9057	C,FILM 100V 3300PF
C5515	43089556	C,ELEC 250V 10UF
C5518	427F 4607	C,FILM 50V 3300PF
C5519	427F 4607	C,FILM 50V 3300PF
C5521	42816373	C,FILM 250V 4.7UF 5%
C5522	427F4609	C,FILM 50V 4700PF
C5524	430B9062	C,ELEC 50V 2.2UF
C5525	430B9069	C,ELEC 50V 100UF
C5526	430B9069	C,ELEC 50V 100UF
C5527	433A6079	C,ELEC 50V 2.2UF
C5528	42074709	C,CERAMIC 2.0KV 470PF
C5529	42839702	C,METAL 400V 0.12UF
C5530	42839702	C,METAL 400V 0.12UF
C5531	42839702	C,METAL 400V 0.12UF
C5532	42839702	C,METAL 400V 0.12UF
C5533	42837103	C,METAL FILM 400V 0.056
C5533B	42837103	C,METAL FILM 400V 0.056
C5535	42837103	C,METAL FILM 400V 0.056
C5537	42839702	C,METAL 400V 0.12UF
C5539	42837123	C,METAL 400V 0.39
C5541	42839707	C,METAL 400V 0.27UF 5%
C5543	42839637	C,METAL 400V 0.3UF
C5546	42816371	C,FILM 250V 3.3UF 5%
C5547	42106009	C,CERAMIC 25V 0.1UF
C5548	42106009	C,CERAMIC 25V 0.1UF
C5549	42106009	C,CERAMIC 25V 0.1UF
C5550	42106009	C,CERAMIC 25V 0.1UF
C5551	42106009	C,CERAMIC 25V 0.1UF
C5552	42106009	C,CERAMIC 25V 0.1UF
C5553	42106009	C,CERAMIC 25V 0.1UF
C5554	421D6009	C,CERAMIC 25V 0.1UF
C5556	421D6009	C,CERAMIC 25V 0.1UF
C5557	430B9029	C,ELEC 16V 100UF
C5558	421D6009	C,CERAMIC 25V 0.1UF
C5559	430B9041	C,ELEC 25V 47UF
C5560	.421D6009	C.CERAMIC 25V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C5561	42106009	C,CERAMIC 25V 0.1UF
C5562	43089029	C,ELEC 16V 100UF
C5565	43089041	C,ELEC 25V 47UF
C5566	42106009	C,CERAMIC 25V 0.1UF
C5567	43089041	C,ELEC 25V 47UF
C5571	427F4629	C,FILM 50V 0.22UF
C5572	427F4629	C,FILM 50V 0.22UF
C5573	427F4629	C,FILM 50V 0.22UF
C5574	427F4629	C,FILM 50V 0.22UF
C5575	43089041	C,ELEC 25V 47UF
C5576	42106009	C,CERAMIC 25V 0.1UF
C5577	43089028	C,ELEC 16V 47UF
C701	43KB7515	C,ELEC 16V 10UF
C702	43KB7515	C,ELEC 16V 10UF
C703	43KB7515	C,ELEC 16V 10UF
C706	43KB7538	C,ELEC 16V 100UF
C707	42AA2721	C,CERAMIC 50V 0.1UF
C708	43KB7515	C,ELEC 16V 10UF
C709	43KB7515	C,ELEC 16V 10UF
C711	43KB7515	C,ELEC 16V 10UF
C713	43KB7533	C,ELEC 50V 2.2UF
C714	43KB7533	C,ELEC 50V 2.2UF
C715	43KB7533	C,ELEC 50V 2.2UF
C716	43KB7533	C,ELEC 50V 2.2UF
C717	43KB7533	C,ELEC 50V 2.2UF
C718	43KB7533	C,ELEC 50V 2.2UF
C719	42CA1464	C,ELEC 50V 1000PF
C7207	43KB7441	C,ELEC CHIP 18V 10UF
C7208	43KB7444	C,ELEC CHIP 16V 47UF
C7209	43K87444	C,ELEC CHIP 18V 47UF
C7210	42AA2721	C,CERAMIC 50V 0.1UF
C722	42CA1464	C,CERAMIC 50V 1000PF
C7226	42CA1434	C,CERAMIC 50V 56PF
C7227	42CA1428	C,CERAMIC 50V 33PF
C7228	42CA1420	C,CERAMIC 50V 15PF
C7229	42CA1420	C,CERAMIC 50V 15PF
C723	42CA1464	C,CERAMIC 50V 1000PF
C7230	42CA2726	C,CERAMIC 50V 0.01UF
C7231	43KB7518	C,ELEC 16V 47UF
C7232	42CA1440	C.CERAMIC 50V 100PF

SYMBOL	PARTS NO	DESCRIPTION
C7233	42AA2721	C.CERAMIC 50V 0.1UF
C7234	42AA2721	C.CERAMIC 50V 0.1UF
C7235	43KB7441	C.ELEC CHIP 16V 10UF
C7236	43KB7518	C.ELEC 16V 47UF
C7237	43KB7518	C,ELEC 16V 47UF
C7239	42AA2721	C,CERAMIC 50V 0.1UF
C724	42CA1464	C,CERAMIC 50V 1000PF
C7240	43KB7441	C,ELEC CHIP 16V 10UF
C7241	42AA2721	C,CERAMIC 50V 0.1UF
C7242	42AA2721	C,CERAMIC 50V 0.1UF
C7249	43KB7518	C,ELEC 16V 47UF
C725	43KB7476	C,ELEC CHIP 50V 2.2UF
C7250	43KB7452	C,ELEC CHIP 25V 33UF
C7251	42AA2721	C,CERAMIC 50V 0.1UF
C7252	42AA2721	C.CERAMIC 50V 0.1UF
C7253	42AA2721	C.CERAMIC 50V 0.1UF
C7254	42AA2721	C.CERAMIC 50V 0.1UF
C7255	42AA2721	C.CERAMIC 50V 0.1UF
C7256	43KB7441	C.ELEC CHIP 16V 10UF
C7257	42AA2721	C,CERAMIC 50V 0.1UF
C7258	42AA2746	C,CERAMIC 25V 0.22UF
C7259	43KB7474	C,ELEC CHIP 50V 0.47UF
C7260	430B9041	C,ELEC 25V 47UF
C7261	42AA2721	C,CEC 25V 0.1UF
C7262	43KB7474	C,ELEC CHIP 50V 0.47UF
C7263	42AA2721	C,CERAMIC 50V 0.1UF
C7264	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7265	42AA2746	C,CERAMIC 25V 0.22UF
C7266	42AA2746	C,CERAMIC 25V 0.22UF
C7267	43KB7441	C.ELEC CHIP 16V 10UF
C7268	43KB7474	C.ELEC CHIP 50V 0.47UF
C7269	43KB7474	C.ELEC CHIP 50V 0.47UF
C7270	42CA1440	C.CERAMIC 50V 100PF
C7271	42AA2721	C.CERAMIC 50V 0.1UF
C7272	42AA2721	C,CERAMIC 50V 0.1UF
C7273	42AA2721	C,CERAMIC 50V 0.1UF
C7274	42AA2721	C,CERAMIC 50V 0.1UF
C7275	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7276	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7277	42CA1430	C.CERAMIC 50V 39PF

SYMBOL	PARTS NO	DESCRIPTION
C7278	42CA1432	C,CERAMIC 50V 47PF
C7279	42AA2746	C,CERAMIC 25V 0.22UF
C728	42AA2721	C,CERAMIC 50V 0.1UF
C7281	42AA2746	C,CERAMIC 25V 0.22UF
C7282	42AA2746	C,CERAMIC 25V 0.22UF
C7283	43KB7452	C,ELEC CHIP 25V 33UF
C7284	42AA2721	C,CERAMIC 50V 0.1UF
C7285	42AA1525	C,CHIP CERAMIC 50V0.022UF
C7286	42AA2721	C,CERAMIC 50V 0.1UF
C7287	42AA1525	C,CHIP CERAMIC 50V0.022UF
C7288	42CA1418	C,CERAMIC 50V 12PF
C7289	42CA1415	C,CHIP 50V 9.0PF
C729	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C729	42AA1525	C,CHIP CERAMIC 50V0.022UF
C7291	42AA2721	C,CERAMIC 50V 0.1UF
C7292	43KB7452	C,ELEC CHIP 25V 33UF
C7293	42AA2721	C,CERAMIC 50V 0.1UF
C7294	43KB7475	C,ELEC CHIP 50V 1.0UF
C7295	43KB7475	C,ELEC CHIP 50V 1.0UF
C7296	42AA2729	C,CERAMIC 50V 0.047UF
C7297	43KB7441	C.ELEC CHIP 16V 10UF
C7298	43KB7475	C.ELEC CHIP 50V 1.0UF
C7299	430B9032	C.ELEC 16V 470UF
C730	42CA1464	C.CERAMIC 50V 1000PF
C7300	42AA2721	C,CERAMIC 50V 0.1UF
C7301	43KB7532	C,ELEC 50V 1.0UF
C7302	42CA1440	C,CERAMIC 50V 100PF
C7303	43KB7530	C,ELEC 50V 0.33UF
C7304	42CA1440	C,CERAMIC 50V 100PF
C7305	43KB7475	C.ELEC CHIP 50V 1.0UF
C7306	43KB7475	C.ELEC CHIP 50V 1.0UF
C7307	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C7308	43KB7476	C.ELEC CHIP 50V 2.2UF
C7309	42AA2721	C.CEEAMIC 50V 0.1UF
C731	42CA1464	C.CERAMIC 50V 1000PF
C7310	42AA2721	C.CERAMIC 50V 0.1UF
C7311	42AA2721	C.CERAMIC 50V 0.1UF
C7312	42AA2721	C.CERAMIC 50V 0.1UF
C7313	42AA2721	C.CERAMIC 50V 0.1UF
C7314	430B9032	C.ELEC 16V 470UF

C7312	42AA2721	C.CERAMIC 50V 0.1UF
C7313	42AA2721	C.CERAMIC 50V 0.1UF
C7314	430B9032	C.ELEC 16V 470UF
SYMBOL	PARTS NO	DESCRIPTION
C7315	42AA2721	C.CERAMIC 50V 0.1UF
C7316	42AA1516	C.CHIP CERAMIC 50V 3900PF
C7317	42AA2721	C.CERAMIC 50V 0.1UF
C7318	43KB7476	C.ELEC CHIP 50V 2.2UF
C7319	43KB7475	C,ELEC CHIP 50V 1.0UF
C732	42CA1464	C,CERAMIC 50V 1000PF
C7320	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7321	42AA2721	C,CERAMIC 50V 0.1UF
C7322	430B9032	C,ELEC 16V 470UF
C7323	43KB7441	C,ELEC CHIP 16V 10UF
C7324	43KB7441	C,ELEC CHIP 16V 10UF
C7325	42AA2721	C,CERAMIC 50V 0.1UF
C7326	42CA1440	C,CERAMIC 50V 100PF
C7327	42CA1440	C,CERAMIC 50V 100PF
C7328	42AA2721	C,CERAMIC 50V 0.1UF
C7329	43KB7538	C,ELEC 16V 100UF
C733	430B6032	C,ELEC 16V 470UF
C7330	42AA2721	C,CERAMIC 50V 0.1UF
C7331	42AA2721	C,CERAMIC 50V 0.1UF
C7332	42AA2721	C,CERAMIC 50V 0.1UF
C7333	42AA2721	C,CERAMIC 50V 0.1UF
C7334	42AA2721	C,CERAMIC 50V 0.1UF
C7335	42AA2721	C,CERAMIC 50V 0.1UF
C7336	430B9029	C,ELEC 16V 100UF
C7337	42AA2721	C,CERAMIC 50V 0.1UF
C7338	42AA2721	C,CERAMIC 50V 0.1UF
C7339	430B9029	C,ELEC 16V 100UF
C734	42AA2721	C,CERAMIC 50V 0.1UF
C7355	430B9043	C,ELEC 25V 220UF
C7356	430B9043	C,ELEC 25V 220UF
C7401	43KB7523	C,ELEC 25V 33UF
C7402	42AA2721	C,CERAMIC 50V 0.1UF
C7403	42CA1428	C,CERAMIC 50V 33PF
C7404	430B9041	C,ELEC 25V 47UF
C7405	42AA2721	C,CERAMIC 50V 0.1UF
C7406	42AA2721	C,CERAMIC 50V 0.1UF
C7407	42AA1525	C,CHIP CERAMIC 50V0.022UF
C7408	43KB7475	C,ELEC CHIP 50V 1.0UF
C7409	42AA2729	C,CERAMIC 50V 0.047UF

C7410

42CA1416

C.CERAMIC 50V 10PF

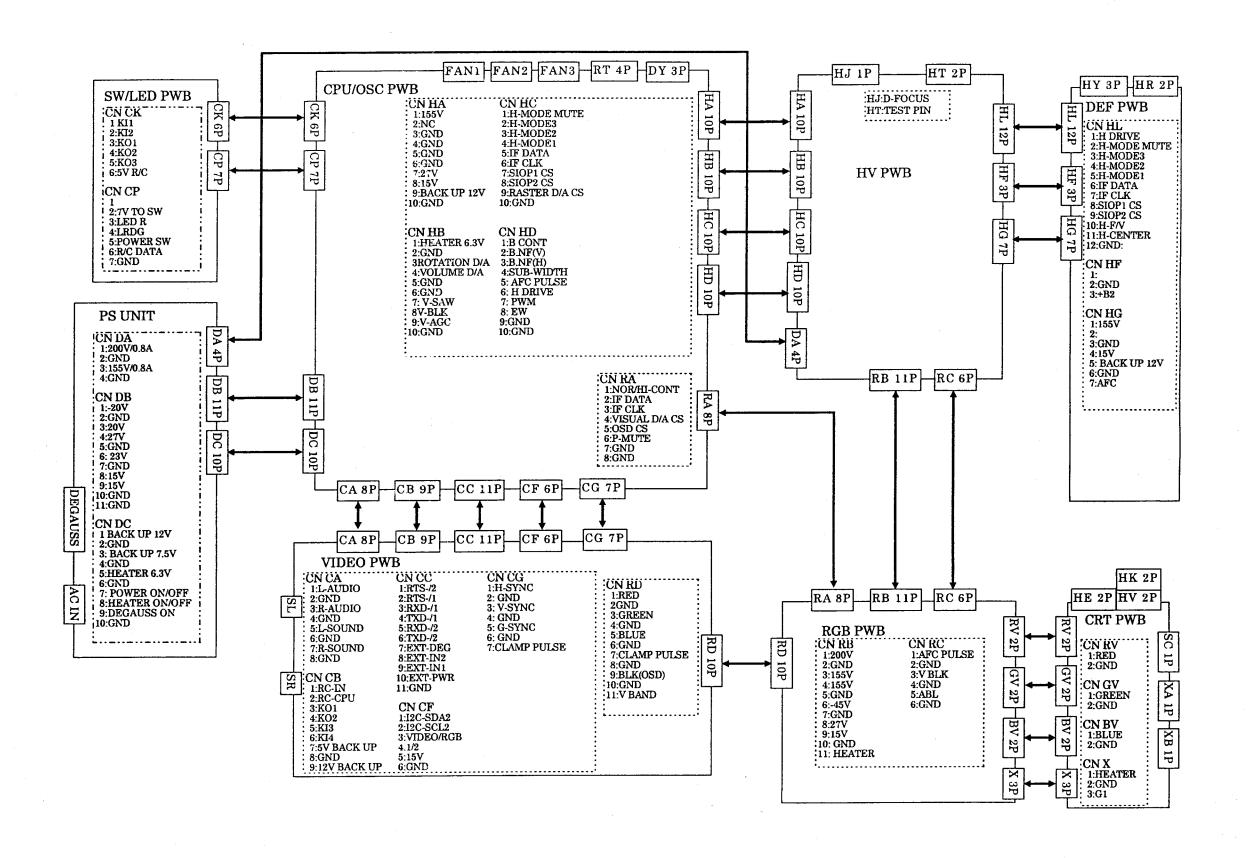
SYMBOL	PARTS NO	DESCRIPTION
C7411	42CA1464	C.CERAMIC 50V 1000PF
C7412	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C7413	42CA1422	C.CERAMIC 50V 18PF
C7414	42CA1422	C.CERAMIC 50V 18PF
C7415	42AA2137	C,CERAMIC 50V 0.33UF
C7416	42AA2729	C,CERAMIC 50V 0.047UF
C7417	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7418	42AA2721	C,CERAMIC 50V 0.1UF
C7419	42AA2721	C,CERAMIC 50V 0.1UF
C7422	43KB7523	C,ELEC 25V 33UF
C7423	42AA2721	C,CERAMIC 50V 0.1UF
C7424	42AA2721	C,CERAMIC 50V 0.1UF
C7425	43KB7441	C,ELEC CHIP 16V 10UF
C7426	42AA1515	C,CHIP CERAMIC 50V 3300PF
C7427	43KB7531	C,ELEC 50V 0.47UF
C7428	42AA2721	C,CERAMIC 50V 0.1UF
C7429	42AA1523	C,CHIP CERAMIC 50V0 015UF
C7432	43KB7452	C,ELEC CHIP 25V 33UF
C7433	42CA1464	C,CERAMIC 50V 1000PF
C7434	42AA2721	C,CERAMIC 50V 0.1UF
C7435	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7436	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7437	430B9042	C,ELEC 25V 100UF
C7438	42CA1416	C,CERAMIC 50V 10PF
C7439	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C7440	42AA2721	C,CERAMIC 50V 0.1UF
C7441	42AA2721	C,CERAMIC 50V 0.1UF
C7442	42AA2721	C,CERAMIC 50V 0.1UF
C7443	42AA2721	C,CERAMIC 50V 0.1UF
C7444	42AA2721	C,CERAMIC 50V 0.1UF
C7445	42AA2721	C,CERAMIC 50V 0.1UF
C7446	42AA2721	C,CERAMIC 50V 0.1UF
C7447	430B9042	C,ELEC 25V 100UF
C7449	42AA2721	C,CERAMIC 50V 0.1UF
C7451 C7452 C7453 C7501 C7502	42AA2721 42AA2721 42AA2721 42AA2721 42CA1432 42AA1521	C,CERAMIC 50V 0.1UF C,CERAMIC 50V 0.1UF C,CERAMIC 50V 0.1UF C,CERAMIC 50V 47PF C,CHIP CERAMIC 50V 0.01UF
C7503	43KB7523	C.ELEC 25V 33UF

SYMBOL	PARTS NO	DESCRIPTION
	<u> </u>	5500000
C7504	42CA1432	C,CERAMIC 50V 47PF
C7505	42CA1432	C,CERAMIC 50V 47PF
C8001	430B9064	C,ELEC 50V 4.7UF
C8002	42AA2721	C,CERAMIC 50V 0.1UF
C8003	433A7021	C,ELEC 25V 10UF
C8004	42AA2721	C,CERAMIC 50V 0.1UF
C8005	433A7021	C,ELEC 25V 10UF
C8006	42AA2721	C,CERAMIC 50V 0.1UF
C8007	433A7021	C,ELEC 25V 10UF
C8009	42AA2721	C,CERAMIC 50V 0.1UF
C801	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8010	430B9029	C,ELEC 16V 1.00UF
C8011	42AA2721	C,CERAMIC 50V 0.1UF
C8012	430B9062	C,ELEC 50V 2.2UF
C8013	430B9062	C,ELEC 50V 2.2UF
C8014	430B9062	C,ELEC 50V 2.2UF
C8015	42AA2721	C,CERAMIC 50V 0.1UF
C8016	430B9039	C,ELEC 25V 22UF
C8017	42AA2721	C,CERAMIC 50V 0.1UF
C8018	43086039	C,ELEC 25V 22UF
C8019	42AA2721	C,CERAMIC 50V 0.1UF
C802	43CC1345	C,ELEC 16V 33UF
C8020	42AA2721	C,CERAMIC 50V 0.1UF
C8021	43086039	C,ELEC 25V 22UF
C8022	430B6061	C,ELEC 50V 1.0UF
C8023	42AA1517	C,CHIP CERAMIC 50V 4700PF
C8024	42AA2721	C,CERAMIC 50V 0.1UF
C8026	42CA1426	C,CERAMIC 50V 27PF
C8028	42CA1464	C,CERAMIC 50V 1000PF
C8029	430B9029	C,ELEC 16V 100UF
C803	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8032	430B9061	C,ELEC 50V 1.0UF
C8033	430B9061	C,ELEC 50V 1.0UF
C8034	42AA2721	C,CERAMIC 50V 0.1UF
C8038	430B9033	C,ELEC 16V 1000UF
C8039	42AA2721	C,CERAMIC 50V 0.1UF
C804	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8040	42AA2721	C,CERAMIC 50V 0.1UF
C8041	430B9042	C,ELEC 25V 100UF
C8045	430B9029	C.ELEC 16V 100UF

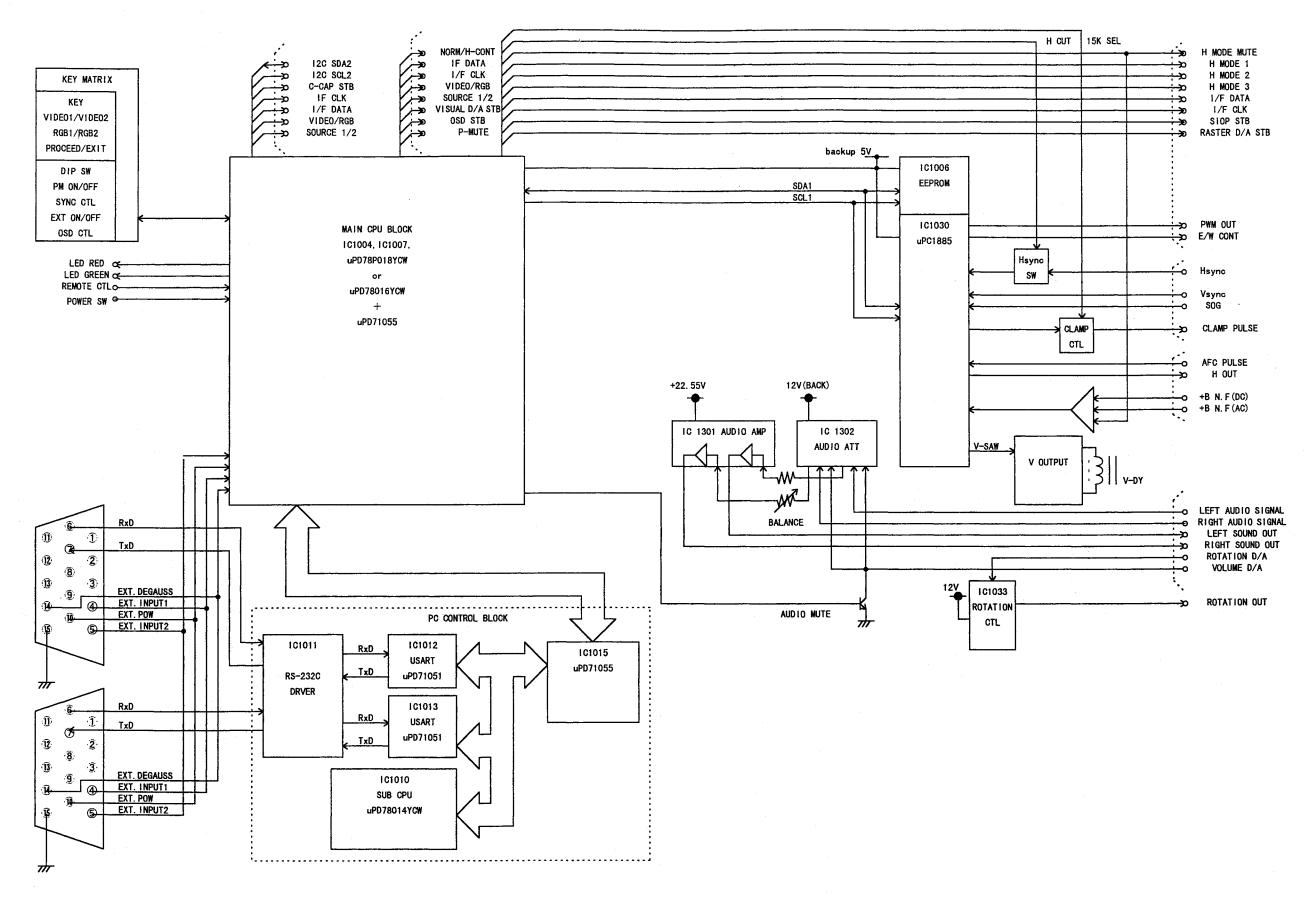
SYMBOL	PARTS NO	DESCRIPTION
C8046	42AA2721	C,CERAMIC 50V 0.1UF
C8047	42AA2721	C,CERAMIC 50V 0.1UF
C8048	430B9042	C,ELEC 25V 100UF
C8049	430B9038	C,ELEC 25V 10UF
C805	43CC1345	C,ELEC 16V 33UF
C8050	430B8178	C,ELEC 50V 4.7UF
C8051	430B8176	C,ELEC 50V 2.2UF
C8052	42AA2721	C,CERAMIC 50V 0.1UF
C8053	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8054	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8055	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8056	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8057	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8058	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8059	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C806	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8060	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8061	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8062	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C807	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C808	43CC1345	C,ELEC 16V 33UF
C809	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C810	43CC1350	C,ELEC 25V 3.3UF
C8102	42CA1458	C,CERAMIC 50V 560PF
C8104	42AA2721	C,CERAMIC 50V 0.1UF
C8105	430B9552	C,ELEC 250V 1.0UF
C8106	42840105	C,METAL FILM 250V 1UF
C811	42AA2721	C,CERAMIC 50V 0.1UF
C8111	42AA2721	C,CERAMIC 50V 0.1UF
C8112	43089552	C.ELEC 250V 1.0UF
C8113	42840105	C.METAL FILM 250V 1UF
C8118	42AA2721	C.CERAMIC 50V 0.1UF
C8119	43089552	C.ELEC 250V 1.0UF
C812	42AA2721	C.CEEC 250V 0.1UF
C8120	42840105	C.METAL FILM 250V 1UF
C8122	4201J575	C.CERAMIC 500V 0.01UF
C8123	430B9556	C.ELEC 250V 10UF
C8124	42AA2721	C.CERAMIC 50V 0.1UF
C8125	4201J575	C.CERAMIC 500V 0.01UF
C8126	43089556	C.ELEC 250V 10UF

SYMBOL	PARTS NO	DESCRIPTION
C8128	430B6555	C.ELEC 250V 4.7UF
C8129	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C813	43CC1350	C.ELEC 25V 3.3UF
C8130	430B6555	C.ELEC 250V 4.7UF
C8131	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8132	430B6555	C,ELEC 250V 4.7UF
C8133	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8138	42CA1416	C,CERAMIC 50V 10PF
C8139	42CA1416	C,CERAMIC 50V 10PF
C814	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C8140	42CA1416	C,CERAMIC 50V 10PF
C8141	42AA2721	C,CERAMIC 50V 0.1UF
C8142	42AA2721	C,CERAMIC 50V 0.1UF
C8143	42AA2721	C,CERAMIC 50V 0.1UF
C815	43CC1345	C.ELEC 16V 33UF
C816	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C817	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C818	43CC1345	C.ELEC 16V 33UF
C819	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C820	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C821	43CC1345	C,ELEC 16V 33UF
C822	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C823	42AA2721	C,CERAMIC 50V 0.1UF
C824	43KB7523	C,ELEC 25V 33UF
C825 C826 C827 C828 C829	42AA1521 43CC1345 42AA1521 42AA1521 43CC1345	C,CHIP CERAMIC 50V 0.01UF C,ELEC 16V 33UF C,CHIP CERAMIC 50V 0.01UF C,CHIP CERAMIC 50V 0.01UF C,CHIP CERAMIC 50V 0.01UF C,ELEC 16V 33UF
C830	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C831	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C832	43CC1345	C.ELEC 16V 33UF
C833	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C834	42AA2721	C.CERAMIC 50V 0.1UF
C835	43KB7452	C.ELEC CHIP 25V 33UF
C836	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C837	43KB7538	C.ELEC 16V 100UF
C838	42AA1521	C.CHIP CERAMIC 50V 0.01UF
C839	43KB7515	C.ELEC 16V 10UF
C840	43KB7538	C.ELEC 16V 100UF

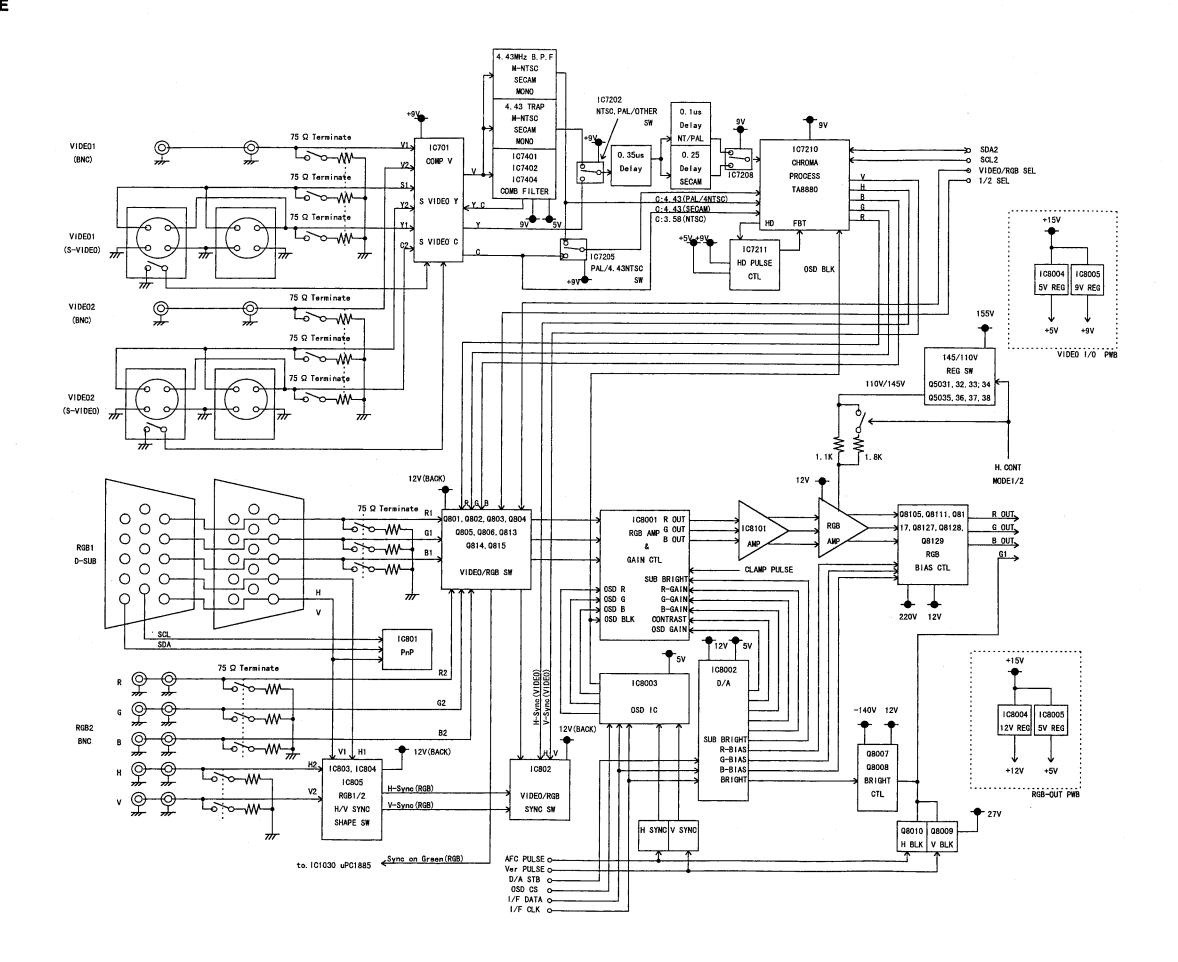
SYMBOL	PARTS NO	DESCRIPTION
C841	42AA2721	C.CERAMIC 50V 0.1UF
C842	42AA2721	C.CERAMIC 50V 0.1UF
C844	42AA2721	C.CERAMIC 50V 0.1UF
C845	43KB7523	C.ELEC 25V 33UF
C846	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C847	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C848	42AA1521	C,CHIP CERAMIC 50V 0.01UF
C901	421D6009	C,CERAMIC 25V 0.1UF
C902	42034143	C,CERAMIC 25V 1000PF
C904	42019175	C, CERAMIC 2KV 0.01UF



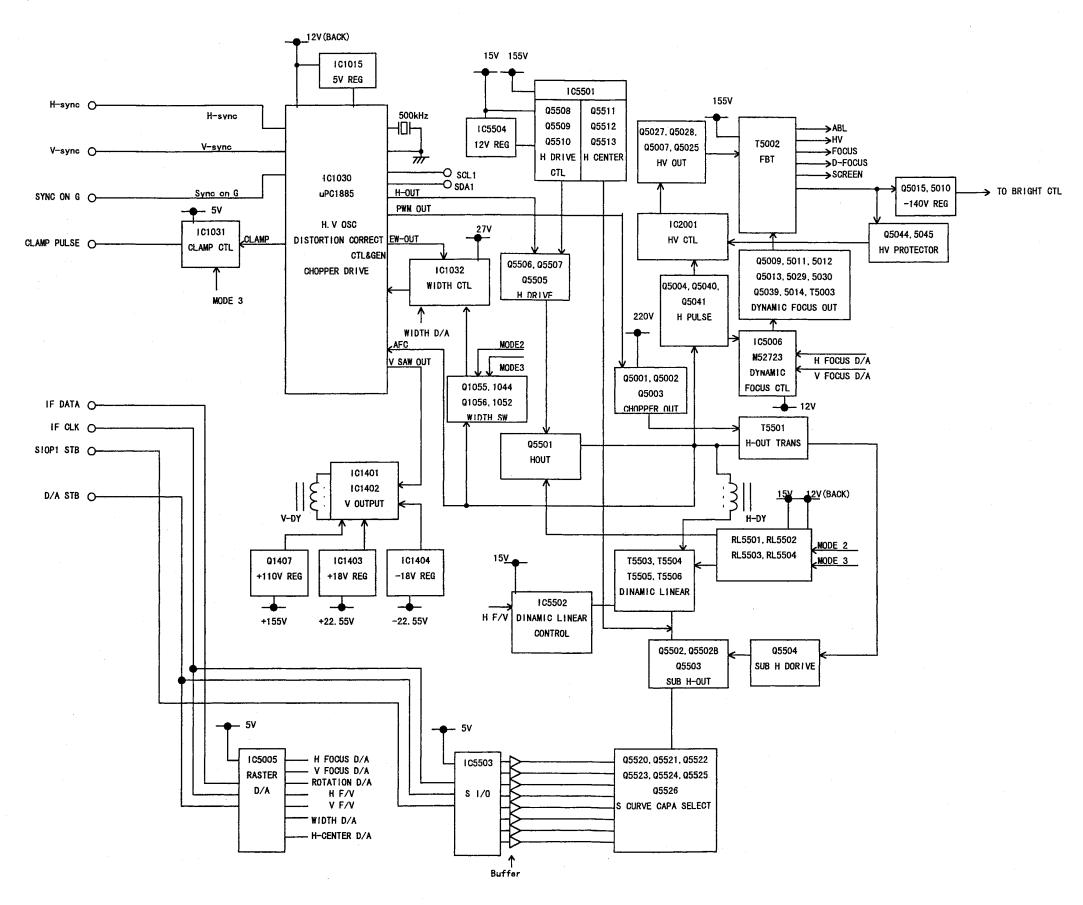
MICRO PROCESSOR CONTROL LINE



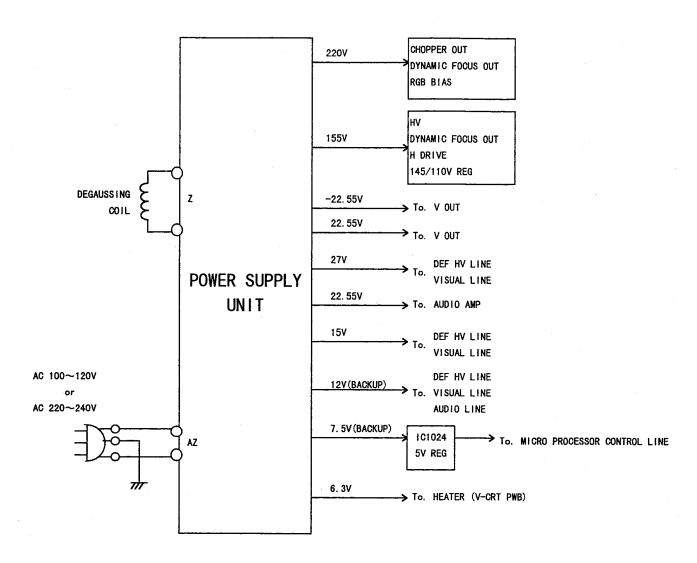
VISUAL LINE

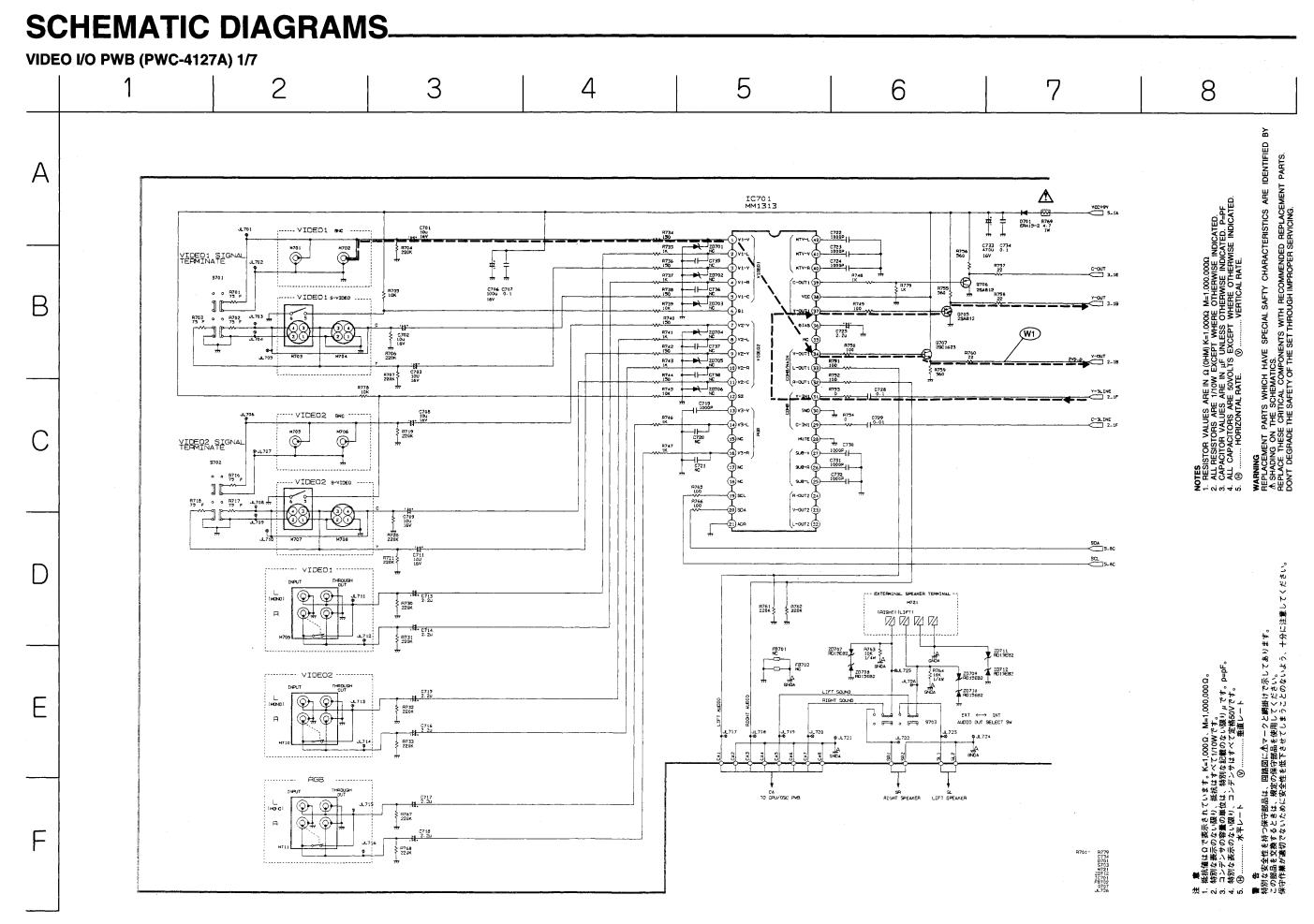


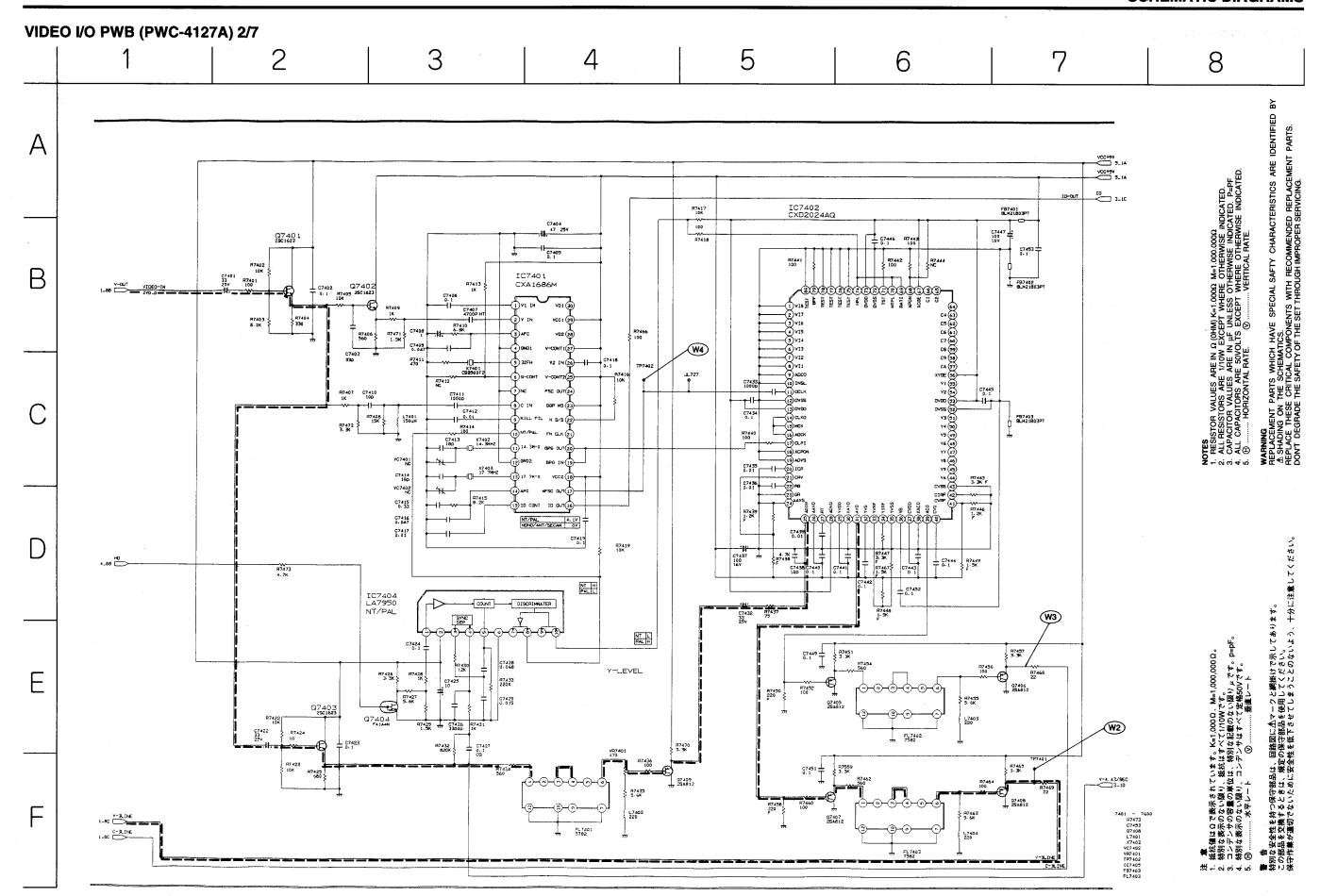
DEFLECTION, HIGH VOLTAGE LINE

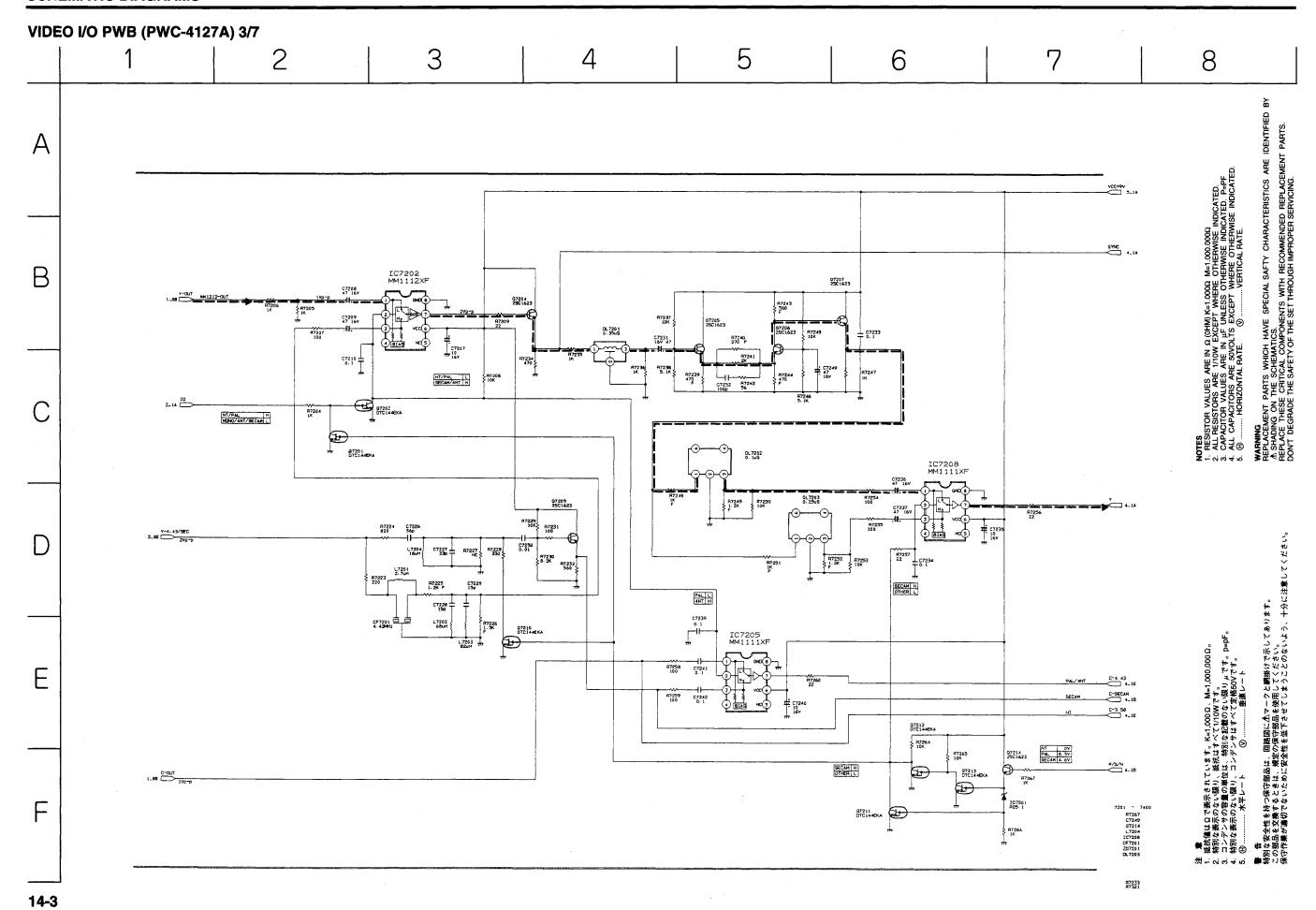


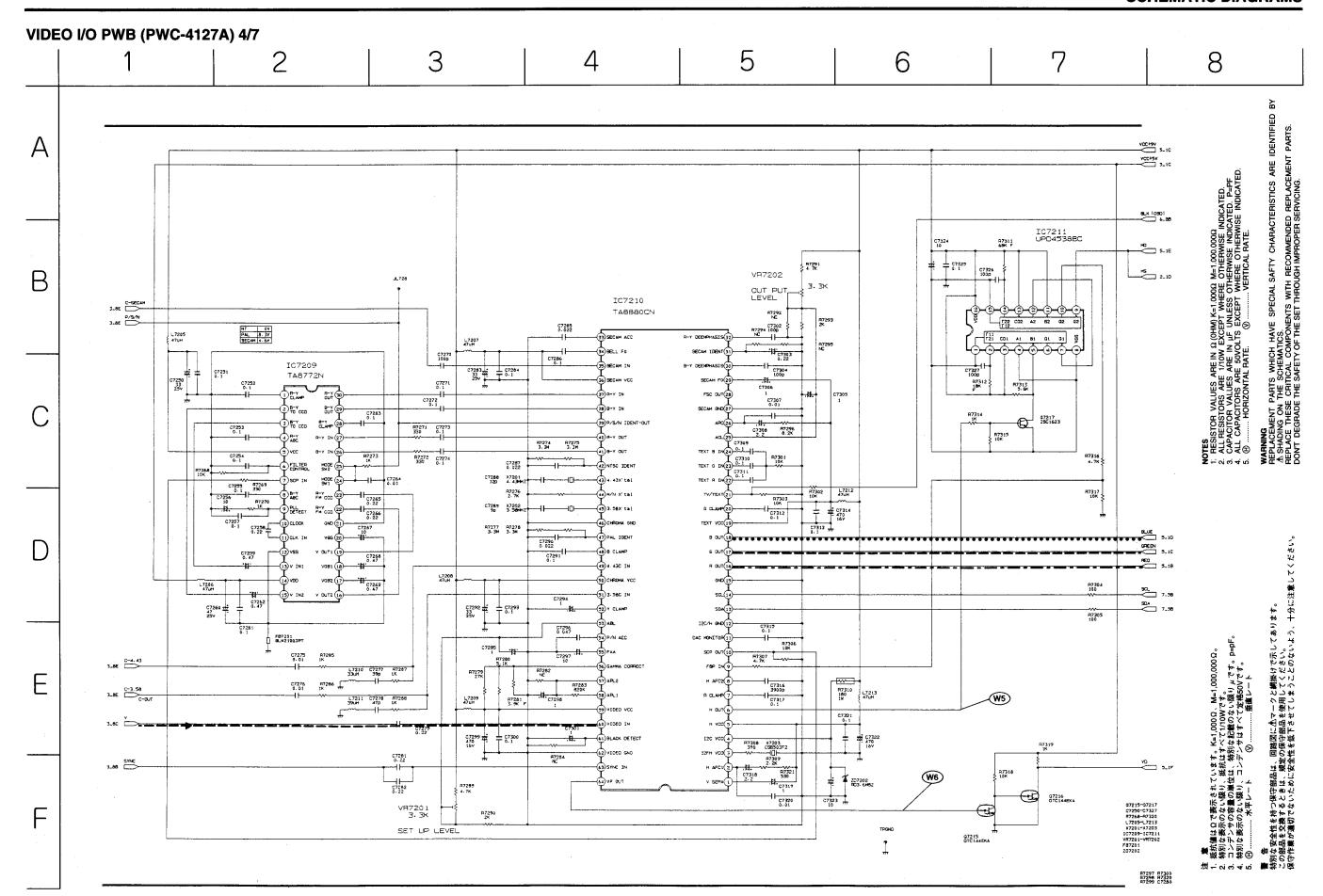
POWER SUPPLY LINE

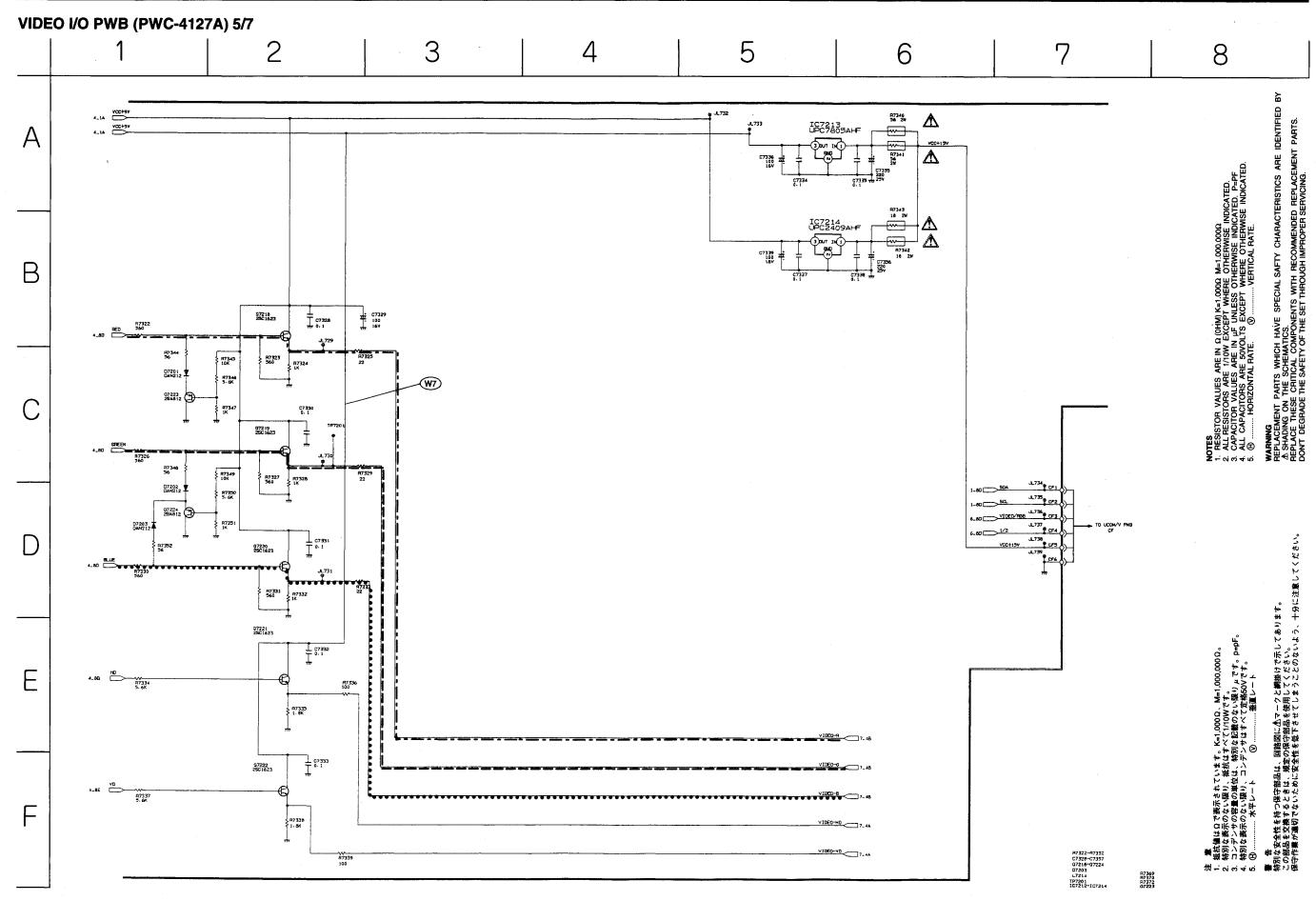


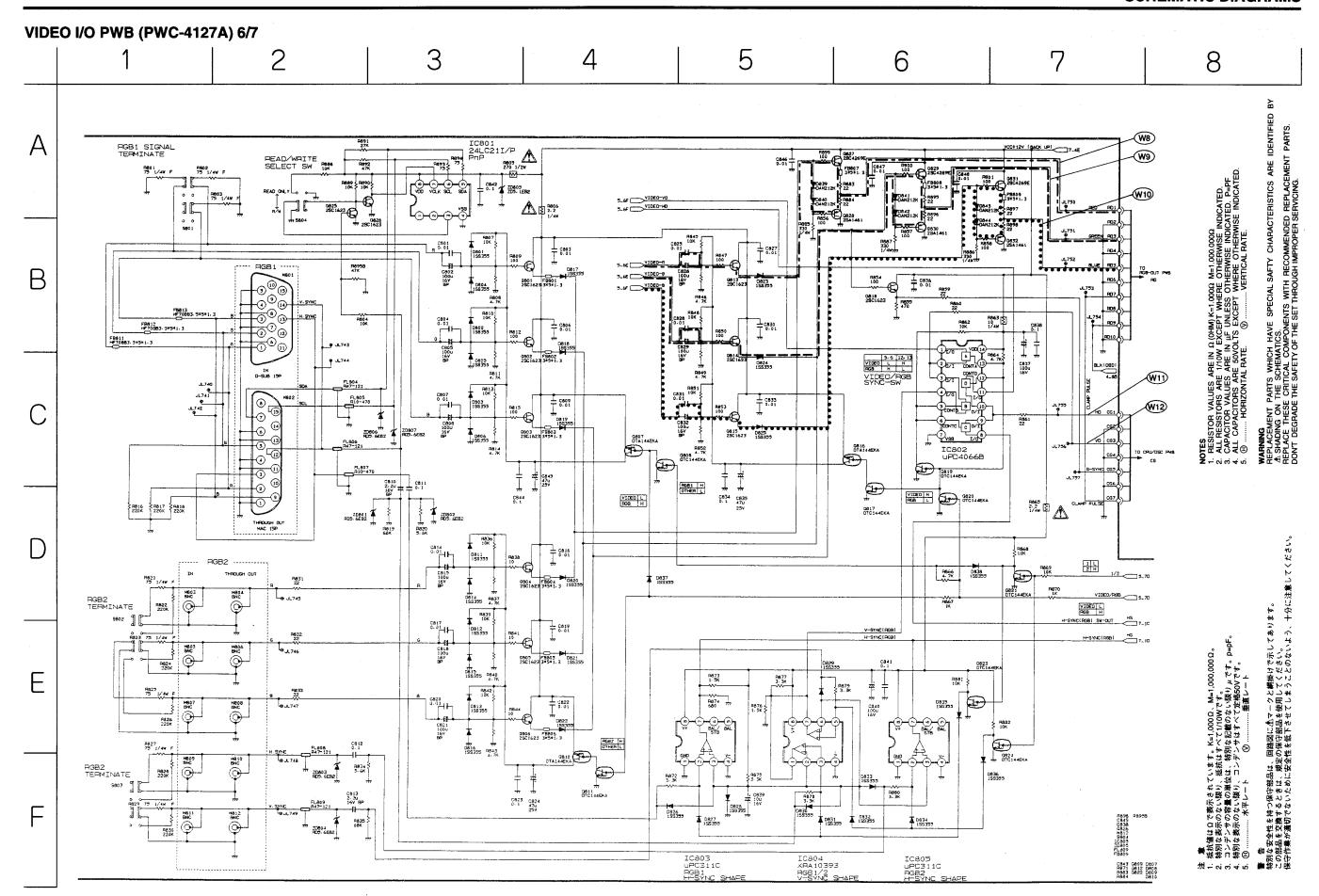


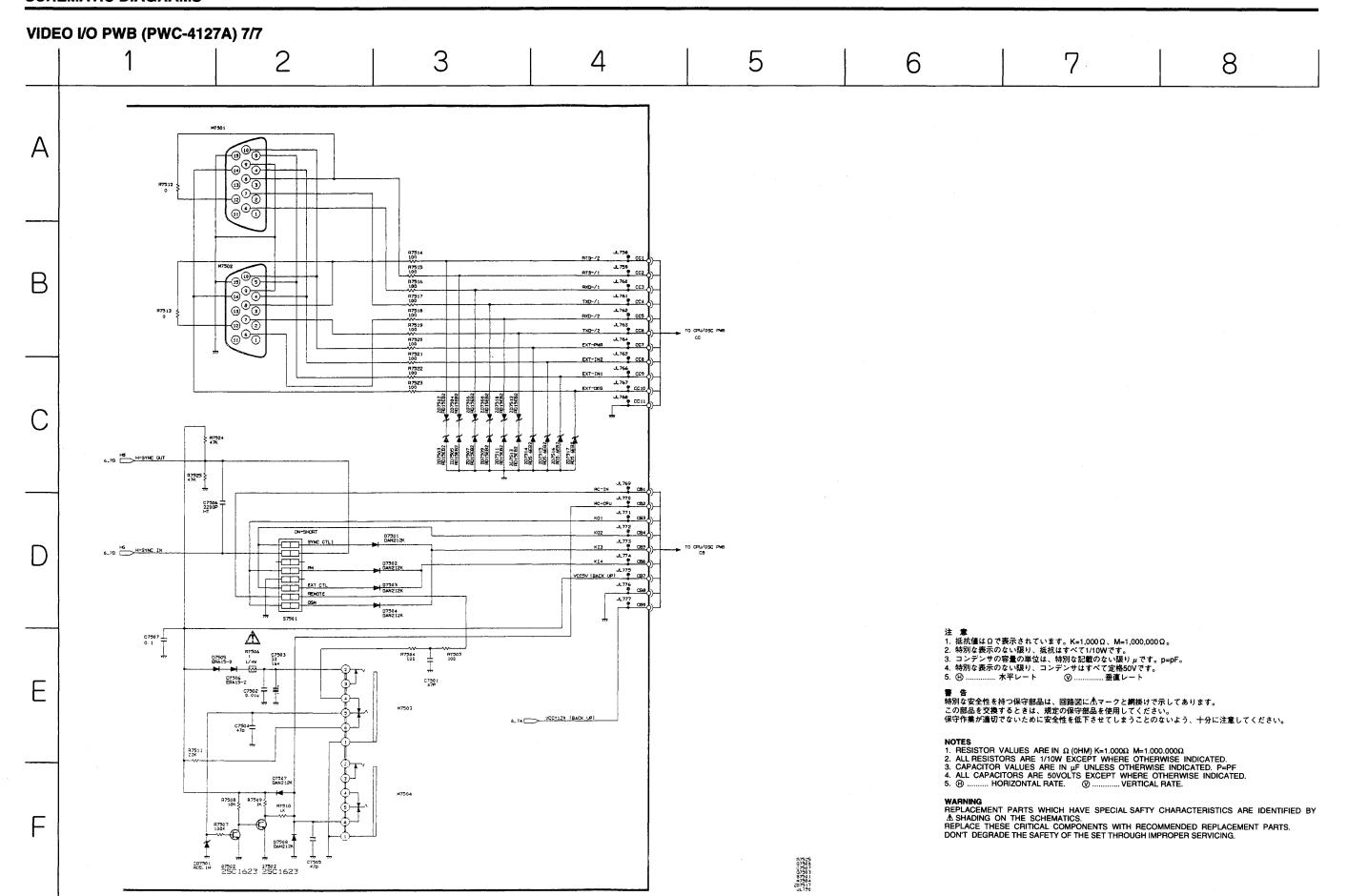




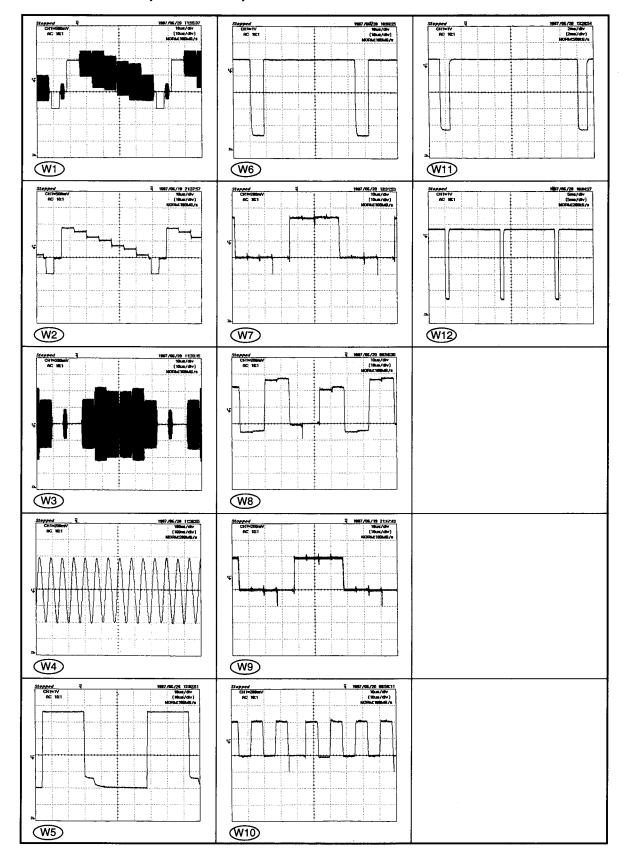








VIDEO I/O PWB (PWC-4127A) WAVE FORM



			CONDITION		SYMBOL	VOLTAGE	CONDITION
C701	#1.3.5.7.9.11.13.29.31.41		INPUT VIDEO	Q705	В	4	
	#2.4.8.10.14.16. #6	3.8	VIDEO1 MODE		E	4.6	
	#12		VIDEO2 MODE		C	0	
	#19.20	4.2		Q706	В	1.6	
	#21.28.30) c			E	2.2	
	#32.33	3.7		-	c	0	
	#34 #36	3.8	1	Q707			
	#37.39	3.6		Q/07	B E	4	l .
	#38	12		ł	lc	3.4	1
	#15.17.18.21.35		NC	L		ľ	
	#22.23.24.25.26.40.42		NC	Q7401	В	3.9	
	#27.41	4.4	NC		E	3.2	
C7401	#2.8	1.0	INPUT VIDEO		C	9	1
37401	#3.14.15.17	2.5		Q7402	В	3	
	#4.12	0		3.402	Ē	2.3	
	#5	1,1			c	5	
	#6.9.18.22.23.25.27.29	5	<u>. </u>				
	#10		NT/PAL COLOR MODE	Q7403	B	4.5	
	#11.13	3.1	OTHER		E	3.8	
	#16		NT/PAL COLOR MODE		C	9	
			OTHER	Q7404	В	7	
	#17	2.5			E	ĺó	
	#19.20	4.1			c	0.4	
	#7 #21		NC NC	07465	ļ		
	#24		NC NC	Q7405	8 E	1.2	
	#1.26.28.30		NC I		C	1.8	
				L		ا	
7402	#11	_	INPUT VIDEO	Q7406	В	1.7	
	#13.28.29.37.53.56.73.68	5	[E	1.3	
	#14.15.16 #17	2.7			C	0	
	#17 #21	3.9 1		Q7407			
	#25	1.4		Q/407	B E	1.1	
	#27.33.34	2.5		1	C	1.7	
	#31.39	1.2		i	[
	#32	3.2]	Q7408	В	1.6	
	#40	3.3		ŀ	ĮĘ.	2.2	
	#41.42 #69.70.74	2.2	NT MODE	İ	C	이	
	1.00.70.74		PAL MODE	Q7409	В	3.4	
	#1-10.12.18.19.20.22.23.24.	Ō		2,400	Ē	4	
	30.35.36.38.43.52.68.71.75.			j	lc	i o	
	76.77.78.79.80						
	#44-51.54.55.57-66	_	NC	Q7201	В		SECAM MODE
7404	#1	3.8	INPUT VIDEO		E		OTHER
	#2	9	"" 01 11020	ļ	c		SECAM MODE
	#3	0.8		}	•		OTHER
	#4	8.8		Q7202	В		NT/PAL COLOR MODI
	#5.6 #7.0	0	110		<u></u>	I I	OTHER
	#7.9 #8	- 5	NC NT MODE		E C		NT (DA) 001 00 1100
	[""		PAL MODE		C		NT/PAL COLOR MODI
	#10		NT MODE	Q7204	В	4.3	OTHER
			PAL MODE	- 1	E	3.7	
	1		110117 14070		c		
7202 25		4.7				9	
7202.05			INPUT VIDEO		Ω		
7202.05	#1.3 #2	0	NT/PAL COLOR MODE	Q7205	8 F	3	
7202.05		0 4 .7		Q7205	E	3 2.3	
7202.05	#2 #4.5 #6	0 4 .7	NT/PAL COLOR MODE OTHER	Q7205		3	
7202.05	#2 #4.5 #6 #7	0 4.7 - 9 4.4	NT/PAL COLOR MODE OTHER	Q7205 Q7206	E C B	3 2.3	
7202.05	#2 #4.5 #6	0 4.7 - 9	NT/PAL COLOR MODE OTHER	Q7205 Q7206	E C B E	3 2.3 9 3 2.3	
	#2 #4.5 #6 #7 #8	0 4.7 - 9 4.4 0	NT/PAL COLOR MODE OTHER NC	Q7205 Q7206	E C B	3 2.3 9	
	#2 #4.5 #6 #7 #8	0 4.7 - 9 4.4 0	NT/PAL COLOR MODE OTHER NC	Q7205 Q7206	E C B E C	3 2.3 9 3 2.3 6.3	
	#2 #4.5 #6 #7 #8	0 4.7 - 9 4.4 0 	NT/PAL COLOR MODE OTHER NC INPUT VIDEO OTHER	Q7205 Q7206	E C B E C	3 2.3 9 3 2.3 6.3	
	#2 #4.5 #6 #7 #8	4.1 0 4.7 9 4.4 0 4.1 0 4.7	NT/PAL COLOR MODE OTHER NC	Q7205 Q7206 Q7207	E C B E C B E	3 2.3 9 3 2.3 6.3 6.3	
	#2 #4.5 #6 #7 #8 #1.3 #2 #4.5	4.7 9 4.4 0 4.1 0 4.7 9	NT/PAL COLOR MODE OTHER NC INPUT VIDEO OTHER SECAM MODE	Q7205 Q7206 Q7207	E C B E C C	3 2.3 9 3 2.3 6.3	
	#2 #4.5 #6 #7 #8 #1.3 #2 #4.5 #6 #7	4.7 	NT/PAL COLOR MODE OTHER NC INPUT VIDEO OTHER SECAM MODE	Q7205 Q7206 Q7207	E C B E C B	3 2.3 9 3 2.3 6.3 6.3 5.6 9	
	#2 #4.5 #6 #7 #8 #1.3 #2 #4.5	4.7 9 4.4 0 4.1 0 4.7 9	NT/PAL COLOR MODE OTHER NC INPUT VIDEO OTHER SECAM MODE	Q7205 Q7206 Q7207	E C B E C B E E C B E E C	3 2.3 9 3 2.3 6.3 5.6 9	
7208	#2 #4.5 #6 #7 #8 #1.3 #2 #4.5 #6 #7 #8	4.7 9 4.4 0 4.7 - 9 4.4 0	NT/PAL COLOR MODE OTHER NC INPUT VIDEO OTHER SECAM MODE NC	Q7205 Q7206 Q7207	E C B E C B	3 2.3 9 3 2.3 6.3 6.3 5.6 9	
7208	#2 #4.5 #6 #7 #8 #1.3 #2 #4.5 #6 #7	4.7 9 4.4 0 4.7 - 9 4.4 0	NT/PAL COLOR MODE OTHER NC INPUT VIDEO OTHER SECAM MODE	Q7205 Q7206 Q7207	E C B E C B E C C	3 2.3 9 3 2.3 6.3 6.3 5.6 9	SECAM MODE
7208	#2 #4.5 #6 #7 #8 #1.3 #2 #4.5 #6 #7 #8	4.7 - 9 4.4 4.0 4.7 - 9 4.4 0	NT/PAL COLOR MODE OTHER NC INPUT VIDEO OTHER SECAM MODE NC	Q7205 Q7206 Q7207	E C B E C B E E C B E E C	3 2.3 9 3 2.3 6.3 6.3 5.6 9 4.1 3.4 9	SECAM MODE
7208	#2 #4.5 #6 #7 #8 #1.3 #2 #4.5 #6 #7 #8 #1.2.3.9.22.23.28.29.30 #4.8 #5 #6.7.17.18	0 4.7 -9 4.4 0 0 4.1 0 4.7 -9 4.4 0	NT/PAL COLOR MODE OTHER NC INPUT VIDEO OTHER SECAM MODE NC	Q7205 Q7206 Q7207 Q7209	E C B E C B E C C	3 2.3 9 3 2.3 6.3 6.3 5.6 9 4.1 3.4 9	SECAM MODE DTHER
7208	#2 #4.5 #6 #7 #8 #1.3 #2 #4.5 #6 #6.7.17.18 #10.11.13.15.	0 4.7 9 4.4 0 4.1 0 4.7 - 9 4.4 4.9 9.1 4.4 2.4	NT/PAL COLOR MODE OTHER NC INPUT VIDEO OTHER SECAM MODE NC	Q7205 Q7206 Q7207 Q7209	B E C B E C B E C B	3 2.3 9 3 2.3 6.3 5.6 9 4.1 3.4 9	
7208	#2 #4.5 #6 #7 #8 #1.3 #2 #4.5 #6 #7 #8 #1.2.3.9.22.23.28.29.30 #4.8 #5 #6.7.17.18 #10.11.13.15.	4.7 -9 4.4 0 4.1 0 4.7 -9 4.4 4.9 9 1.4 2.4	NT/PAL COLOR MODE OTHER NC INPUT VIDEO OTHER SECAM MODE NC	Q7205 Q7206 Q7207 Q7209	E C B E C B E C B E C	3 2.3 9 3 2.3 6.3 5.6 9 4.1 3.4 9	OTHER
7208	#2 #4.5 #6 #7 #8 #1.3 #2 #4.5 #6 #7 #8 #1.2.3.9.22.23.28.29.30 #4.8 #5 #6.7.17.18 #10.11.13.15. #12.24 #14.4	0 4.7 -9 4.4 0 4.1 0 4.7 - 9 4.4 0 0 4.5 4 9 1.4 2.4 0 0	NT/PAL COLOR MODE OTHER NC INPUT VIDEO OTHER SECAM MODE NC	Q7205 Q7206 Q7207 Q7209	E C B E C B E C B E C B E C	3 2.3 9 3 2.3 6.3 6.3 5.6 9 4.1 3.4 9 4.5 5 0 0 0 0 0 2.4 F	OTHER PAL MODE
7208	#2 #4.5 #6 #7 #8 #1.3 #2 #4.5 #6 #6 #1.2.3.9.22.23.28.29.30 #4.8 #5 #6.7.17.18 #10.11.13.15. #12.24 #14	4.7 -9 4.4 0 4.1 0 4.7 - 9 4.4 0 4.5 4.9 9 1.4 2.4 0 0 5 3.4	NT/PAL COLOR MODE OTHER NC INPUT VIDEO OTHER SECAM MODE NC	Q7205 Q7206 Q7207 Q7210 Q7211	E C B E C B E C B E C B	3 2.3 9 9 2.3 6.3 6.3 6.3 5.6 9 4.1 3.4 9 0 0 0 0 0 2.4 F 0.0 0 0 0	OTHER
7208	#2 #4.5 #6 #7 #8 #1.3 #2 #4.5 #6 #7 #8 #1.2.3.9.22.23.28.29.30 #4.8 #5 #6.7.17.18 #10.11.13.15. #12.24 #14.4	0 4.7 9 4.4 0 4.1 0 4.7 - 9 4.4 9 1.4 2.4 4 5 5 3.4 10.3	NT/PAL COLOR MODE OTHER NC INPUT VIDEO OTHER SECAM MODE NC	Q7205 Q7206 Q7207 Q7209 Q7210	E C B E C B E C B E C B E C	3 2.3 9 9 2.3 6.3 6.3 6.3 5.6 9 9 2.4 F 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PAL MODE DTHER
7202.05	#2 #4.5 #6 #7 #8 #1.3 #2 #4.5 #6 #7 #8 #1.2.3.9.22.23.28.29.30 #4.8 #5 #6.7.17.18 #10.11.13.15. #12.24 #14 #16.19 #20	4.7 -9 4.4 0 4.1 0 4.7 - 9 4.4 0 4.5 5 4.9 1.4 1.0 3 3.4 10.3 0 8.3	NT/PAL COLOR MODE OTHER NC INPUT VIDEO OTHER SECAM MODE NC	Q7205 Q7206 Q7207 Q7209 Q7210	E C B E C B E C B E C B	3 3 2.3 9 3 3 2.3 6.3 6.3 5.6 9 4.1 3.4 9 4.5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OTHER PAL MODE

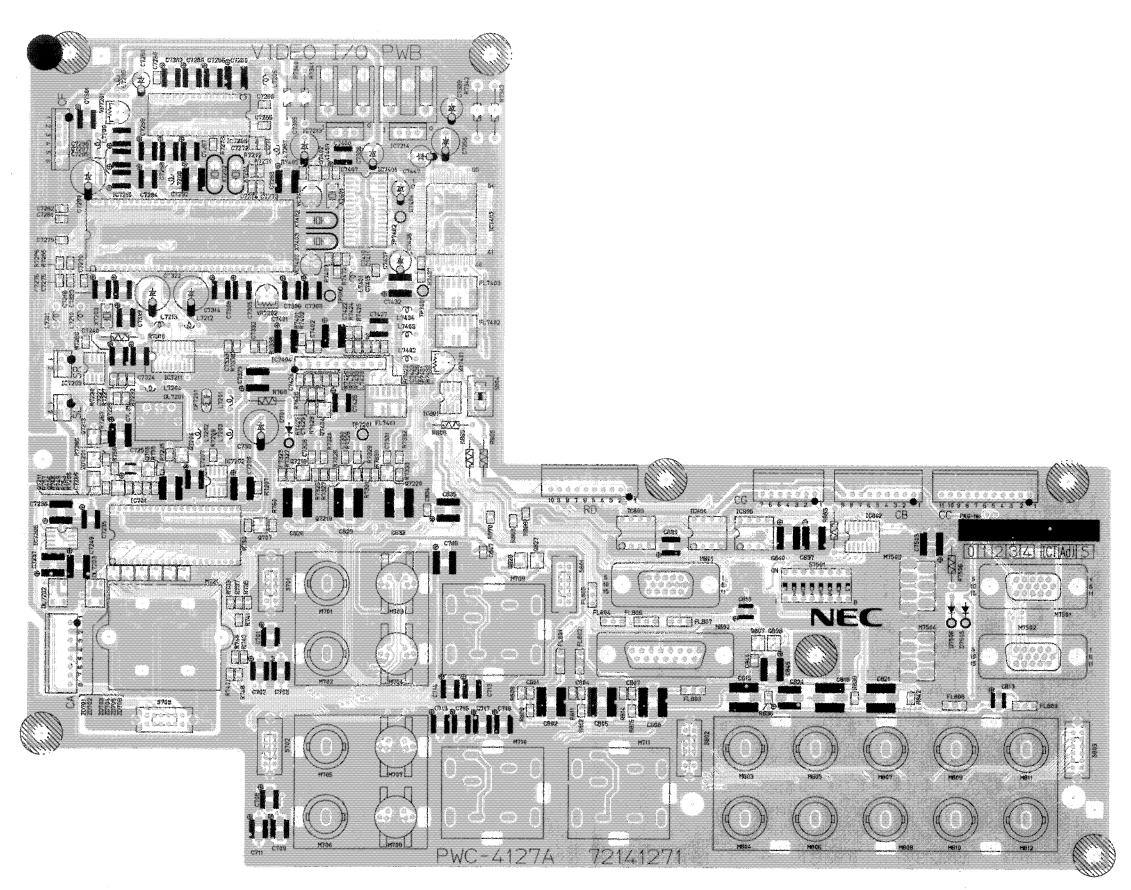
CIDCLIIT	ISVMBAL	NO TAGE	CONDITION
CIRCUIT C7210	SYMBOL #1.3.26.43.		INPUT VIDEO
C /210	#1.3.26.43. #2	7.7	INPUT VIDEO
	#4.55	3.8	
	#5.19.36.50.59	9	
	#6.16.17.18.25.52.57	2.2	
	# 7.31.37.38.	5.1	
	#8.45.54	5.6	
	j#9	0.4	
	#10	1.3	
	#11.28.40.41.44 #12.15.27.46.62	3.2	
	#13.14.22.23.24.33.64	4.1	
	#20	4.8	
•	#21	4.1	OSD ON
	#29	7.4	
	#30.32.48.56	4.5	
	#34 #35	6.4 1.3	
	#39		NT MODE
	""		PAL MODE
		4.6	SECAM MODE
	#42		NT MODE
			PAL MODE
	 #4 7		PAL MODE
	#49.51.53	1.8	NT MODE
	#58.60.63	2.8	
	#00.00.00		
IC7211	#1.4.8.15	0	INPUT VIDEO
	#2.9.14	7.8	
	#3.11.13.16	9	
	#5	4.7	
	#6 #7.12	8	NC
	#10	1.2	
	1,0	/· -	
IC7213	#1	10.6	
	#2	0	
	#3	5	
IC7214	#1	11.5	
107214	#1 #2	11.3	· ·
	#3	9	
IC801	#1.2	NC	
	#3		R/W MODE
	44	5.1	R MODE
	#4 #5.6	4.7	
	#7.8	5.1	
		1	
IC802	#1.2.3	4	
	#4	3.7	
	#5.6		VIDEO MODE
	#7	0	RGB MODE
	#8	3.3	
	#9.10		VIDEO MODE
	·		RGB MODE
	#11	4.4	
	#12.13		VIDEO MODE
	ш. 4		RGB MODE .
	#14	11.8	
IC803	#1.4	0	
	#2		RGB1 MODE
		5	RGB2 MODE
	#3	0.6	
	#5.6		NC
	#7 #8	3.3	
	#0	11.0	
1C804	#1.7	3.7	
	#2.6	0.6	
	#3		RGB1 MODE
	44		RGB2 MODE
	#4 #5	0	RGB2 MODE
	""		RGB1 MODE
	#8	11.8	
		L	
IC805	#1.4	0	
	 # 2		RGB1 MODE
	#3		RGB2 MODE
	#5		RGB1 MODE RGB2 MODE
	#5.6		NC I
	#7	3.3	
	#8	11.8	

CIRCUIT			CONDITION
Q7212	В	7.4	NT MODE
	E		OTHER
	c	4.5	SECAM MODE
		0	OTHER
Q7213	В		NT MODE
_	-	7.6	PAL MODE
	E	4 0	SECAM MODE
	Č	7.4	NT MODE
27014	 		OTHER NT MODE
Q7214	В		PAL MODE
	ļ	4.6	SECAM MODE
	E		NT MODE PAL MODE
		4	SECAM MODE
	С	9	
Q7215	В	4.1	
-	E	0	
	C	0	
Q7216	В	0	
	E	[0	
	C	4.7	
Q7217	В	0.7	
	Ε	l o	1
	c	4.7]
Q7218	В	1.2	
Q7219 Q7220	E C	0.6	
Q/220 		9	
Q7221	В	5	
	E	4.4	
	J		
Q7222	В	4.6	
	E	4 5	
Q801 Q802	B	3.6 3	RGB1 MODE
Q802 Q803	C	11.8	ł
	J		
Q804 Q805	B E	3.6	RGB2 MODE
Q806	C	11.8	
Q813	18	36	VIDEO MODE
Q813 Q814	E	3.6	
Q815	Č	11.8	
Q807	В		RGB1 MODE
Wou ,	E	11.8	
	č	11.8	
Q808	В	1.7	RGB1 MODE
Groot.	E	0	
	c	0	
Q810	В	- 0	RGB2 MODE
•	E	11.8	
	C	11.8	
Q811	В		RGB2 MODE
	E	0	
	C	0	1
Q816	В		VIDEO MODE
	Ε	11.8	
_	С	11.8	
Q817	В		VIDEO MODE
	E	0	1
	C	0	·
Q818	В	7.1	
	E	6.5 11.8	
Q819	В		VIDEO MODE
	15	1 0!	
	E	ő	

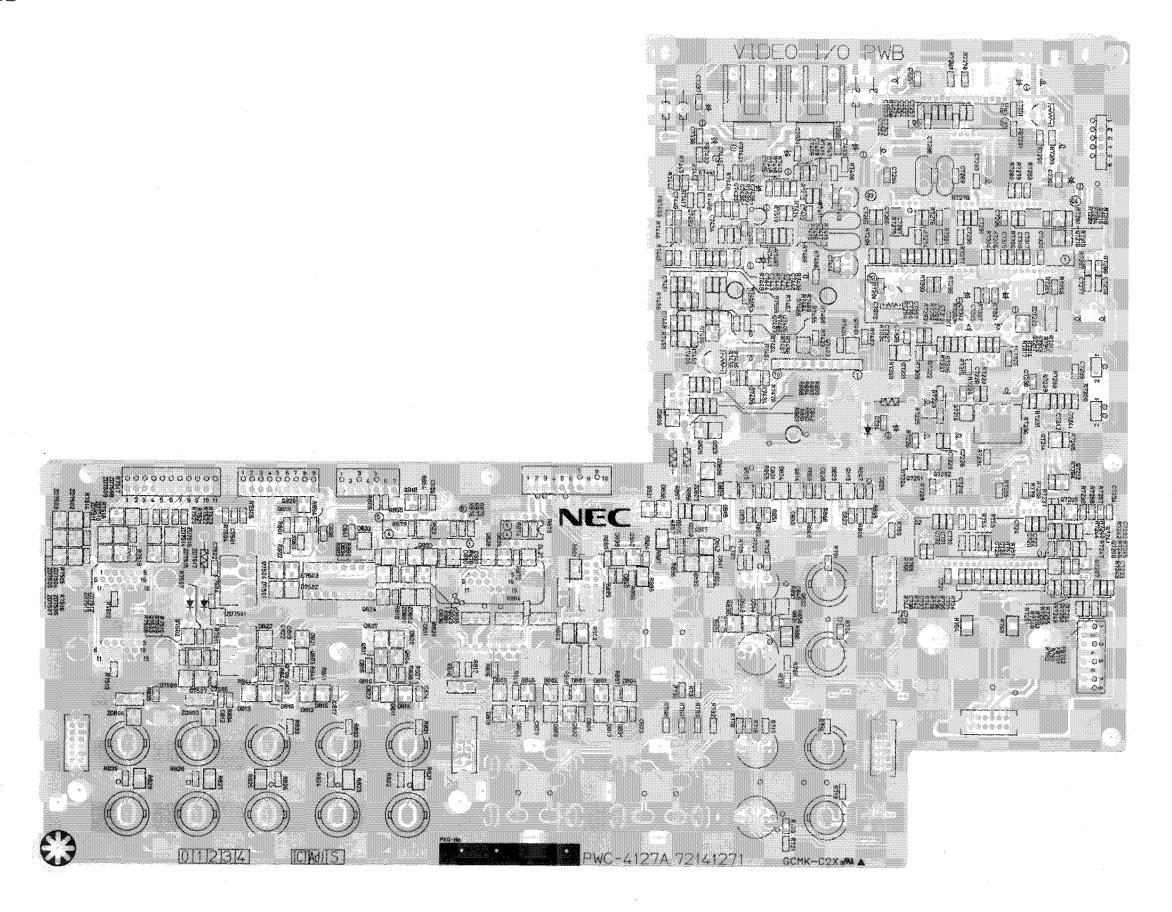
CIRCUIT	SYMBOL		CONDITION
Q820	В	0	VIDEO MODE
	İE	0	
	E	11.8	
	Ì		
Q821	В	0	1 MODE
	l .	3	2 MODE
	lε	0	
	E	9.7	1 MODE
	-		2 MODE
Q823	В	9.7	1 MODE
	l£	0	
	B E C	آ	
Q824	В	0	1 MODE
	B E C	1 0	1
	c	5.8	
		Į	
Q7502	В	0.6	
	B E C	} 0	
	lc	1 0	
	}		}
Q7503	В	0	
	B E C	1 0	
l	le.	4.9	l

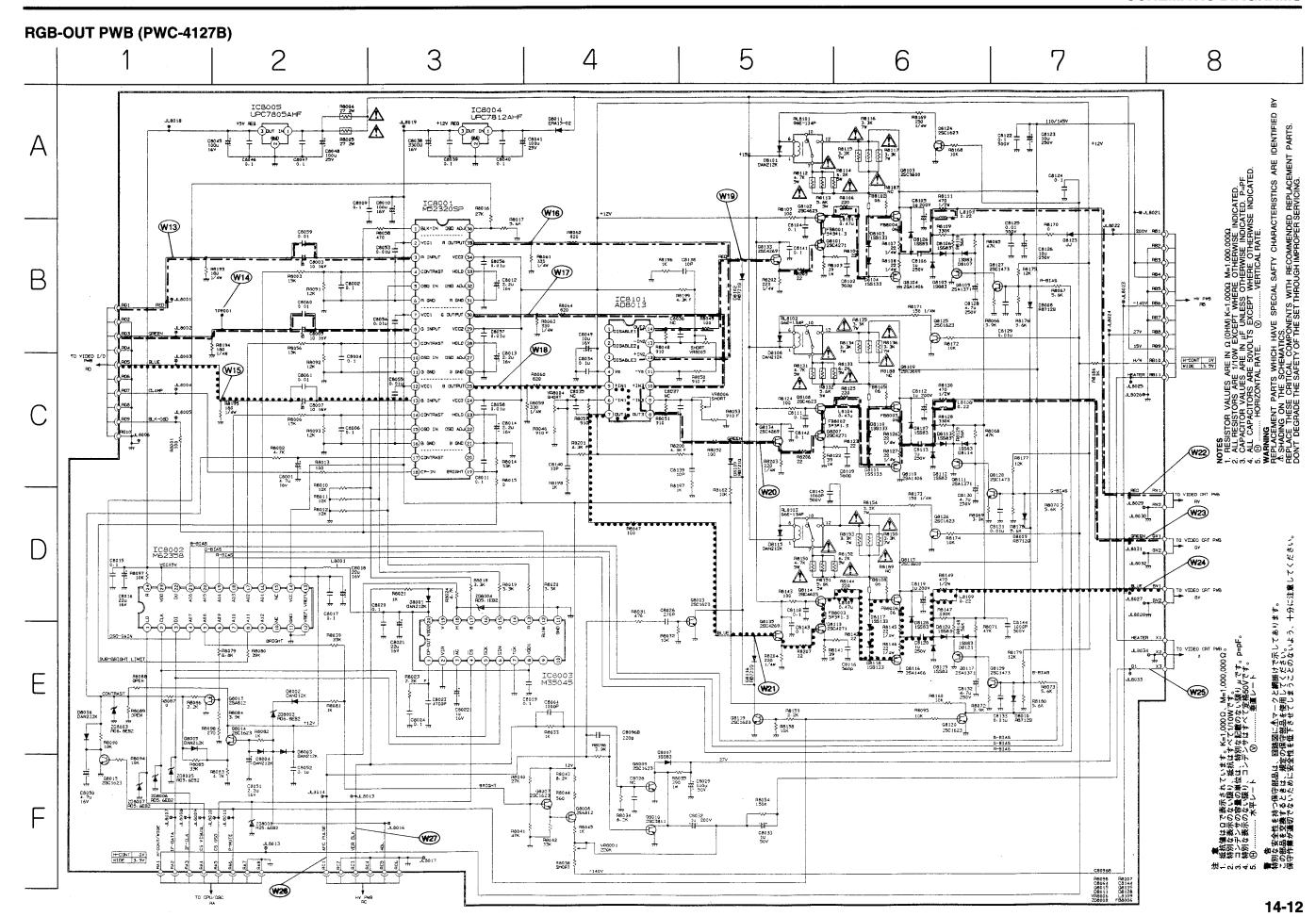
CIRCUI	SYMBOL	VOLTAGE	CONDITION
CA	#1.3	3.7	NON INPUT
	#5.7	0	
	#2.4.6.8	0	<u> </u>
SR	#1		NON INPUT
	#2	0	
SL	#1		NON INPUT
	#2	0	
CF	#1.2	4.1	
	#3		VIDEO MODE
			RGB1 MODE
			RGB2 MODE
	#4		1 MODE
	ue		2 MODE
	#5	14.9	
	#6	٥	
RD	#1.3.5		VIDEO MODE
	#9	0.7	
	#2.4.6.7.8.10	0	
CG	#1	4.4	
	#3	4	
	#5	6.5	
	#2.4.6.7	0	
CC	#1.2.3.5.11	0	· · · · · · · · · · · · · · · · · · ·
	#4.6	-9.5	
	#7.8.9.10	2.8	
СВ	#1.2	4.9	
	#3.4.5.6.8	0	
	#7	5	
	#9	11.8	

VIDEO I/O PWB (PWC-4127A)
PARTS SIDE

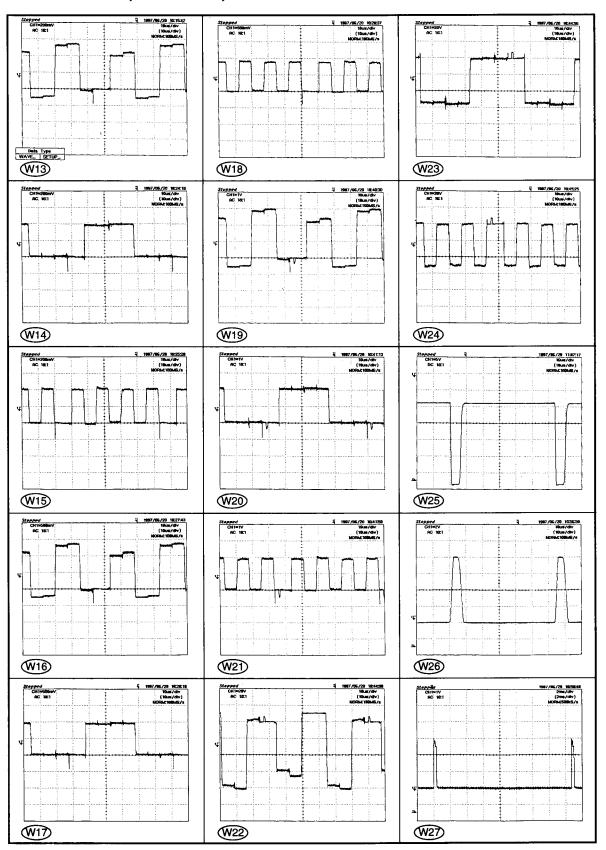


VIDEO I/O PWB (PWC-4127A) SOLDER SIDE





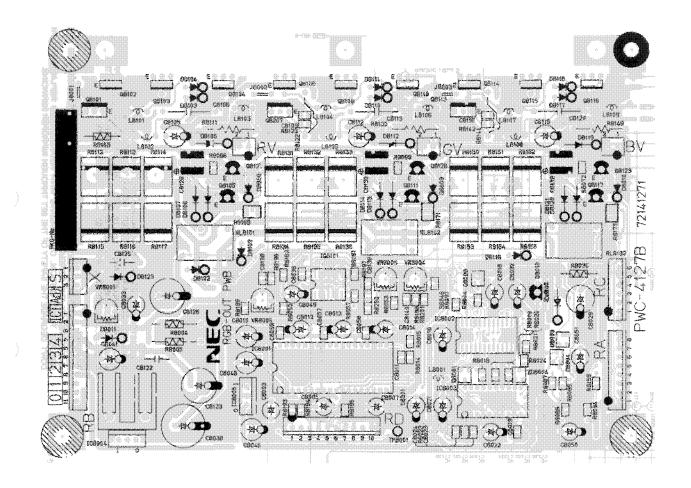
RGB-OUT PWB (PWC-4127B) WAVE FORM

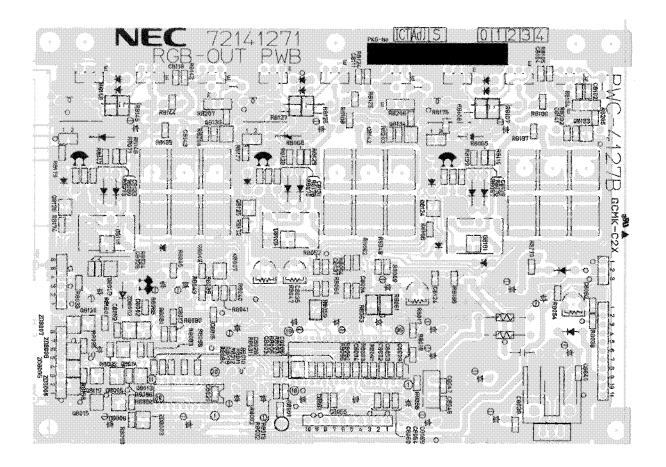


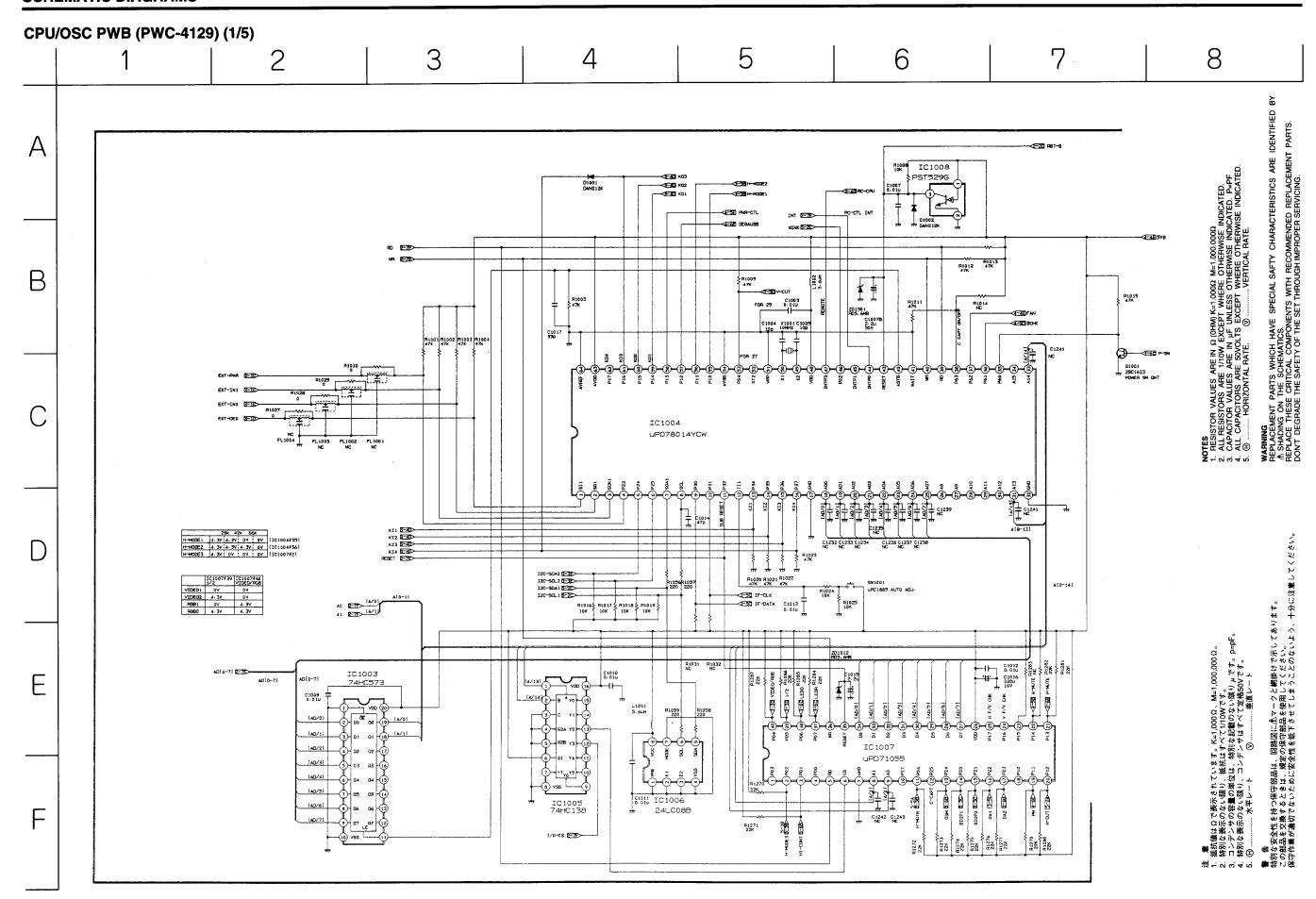
	T						
CIRCUIT IC8001	SYMBOL #1		CONDITION OSD ON	Q8101	SYMBOL_		CONDITION
100001	"'		OSD OFF	Q8101	E	1.4	l I
	#2.7.12.24.29.34	12		Q8113	C	11.4	
	#3.8.13 #4		INPUT VIDEO (0.3-2.3)R-SUB CONT	Q8102	В	12	
	#9	1.8	(0.3-2.3)G-SUB CONT	Q8108	E	11.4	1
	#14 #5.10.15	1.7	(0.3-2.3)B-SUB CONT	Q8114	C	10.4	
	#17		(1.6-5.2)MAIN CONT	Q8103	В	105.5	
	#18 #19	0.1	(0.41)DDIGUT LIMIT	Q8109	E	105.1	
	#23.28.33	4.4	(0-4,1)BRIGHT LIMIT	Q8115	C	140	[
	#25.30.35	2.4		Q8104	В	104.1	
	#36 #6.11.16.26.31	1 0		Q8110 Q8116	E	104.8	
	#20.22.27.32	_	NC	40			
IC8002	#1	4.2		Q8105 Q8111	B E		(143.3-193.3)
108002	#2	3.7		Q8117	C	161	
	#3	0.3					
	#4 #5		(0-9)OSD-GAIN (2.5-8.5)BRIGTH	Q8119	8 E		P-MUTE OFF
	#6	8.8	(0-12)MAIN CONT		c	11.8	
	#8 #13.23.24	8.8	(0-12)BRIGTH LIMIT	Q8120	В		P-MUTE OFF
	#14	12		Q8120	E		P-MOTE OFF
	#16		(0-5)R-SUB CONT		C	11.8	
	#17 #18		(0-5)G-SUB CONT (0-5)B-SUB CONT	Q8124	В	 	CONT MODE1
	#19	6.1	(0-9)R-BAIS	Q8125		1 7	CONT MODE2
	#20 #21		(0-9)G-BAIS (0-9)B-BAIS	Q8126	E	14.7	CONT MODE1
	#7.9.10.15.22	-	NC		ĭ		CONT MODE!
	#11.12	0		20107			(5.0.5.0)
IC8003	#1	1.5	,	Q8127 Q8128	B E		(2.3-5.9) (1.7-5.38)
	#4	3.3		Q8129	ļc		(143.5–193.3)
	#5 #6.18	3.7 0.4		Q8133	В	2.8	
	#12.13.15.17	0.7		Q8134	E	2.0	
	#2.7.11.19	0		Q8135	c	12	
	#3,8.20 #9,10,14,16	5	NC .	RV	#1	128.7	
					#2	0	
IC8101	#1.2.3 #4	12	NC	GV	#1	126.6	
	#5.6.9.10.12.13	2.4		"	#2	120.0	
	#7.8.14 #11	2.8		BV	#1	128.2	
	711			BV	#2	128.2	
IC8004	#1	14		<u></u>			
	#2 #3	12		×	#1 #2	6 0	
					#3	10.2	
IC8005	#1 #2	14.5		-	 		
	#3	5					
Q8003	В			RD	#1.3,5	1.4	
48003	E	0		ואט	#2.4.6.8.10	1.4	
	C	11.8]		#7	0.1	
Q8007	В	6.9	(5.9-8)		#9		OSD ON OSD OFF
	E	6.4	(5.4-7.4)				
	C	12		RA	#1		CONT MODE1
Q8008	В		(5.4-7.4)		#2	0.3	
	E		(-34.3-3.8) (6-7)		#3 #4	3.7	
		⊥_ ′	(u=1)		#4 #5	4.2	
Q8009	В	0.1			#6	0	P-MUTE OFF
	E	24.1			#7.8	2.4	P-MUTE ON
Q8010	B E	0		RB	#1 #3	219 140	CONT MODE1
	C	24.1			""		CONT MODE!
00010					#6	-140	
Q8013	8 E		(0-4.6) (0.6-5.0)		#8 #9	26.5 14.7	
	c	0			#10) 0	CONT MODE1
Q8014	B	12.5			411		CONT MODE2
W0014	B E	12.5			#11 #2.5.7	6	
	c	12		-			
Q8015	8	0		RC	#1 #2.3.4.6	0.7	
	Ε	0			#5	12.5	
	C	4.4		L	L		
L	J	. L	L				

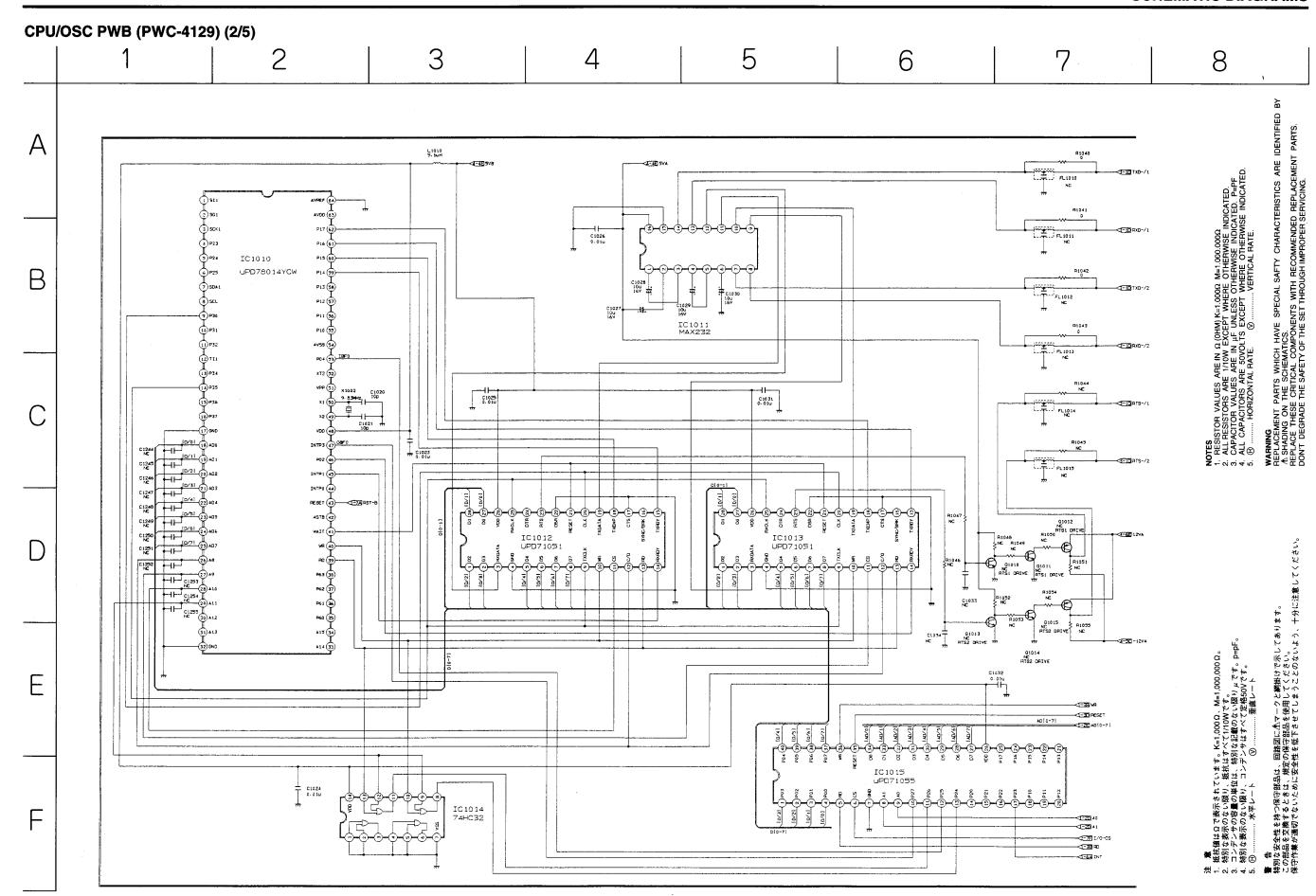
RGB OUT PWB (PWC-4127B)
PARTS SIDE

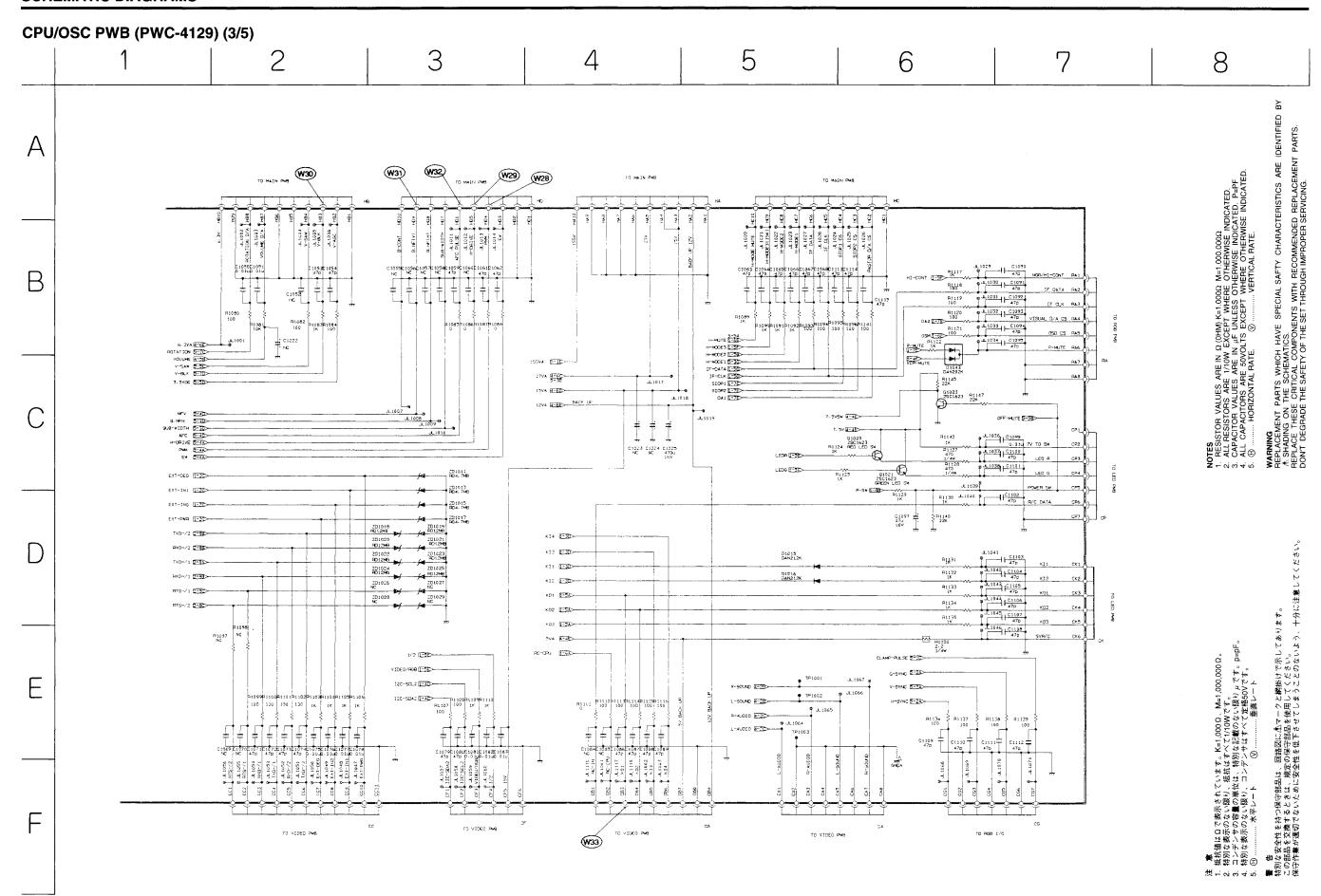
SOLDER SIDE

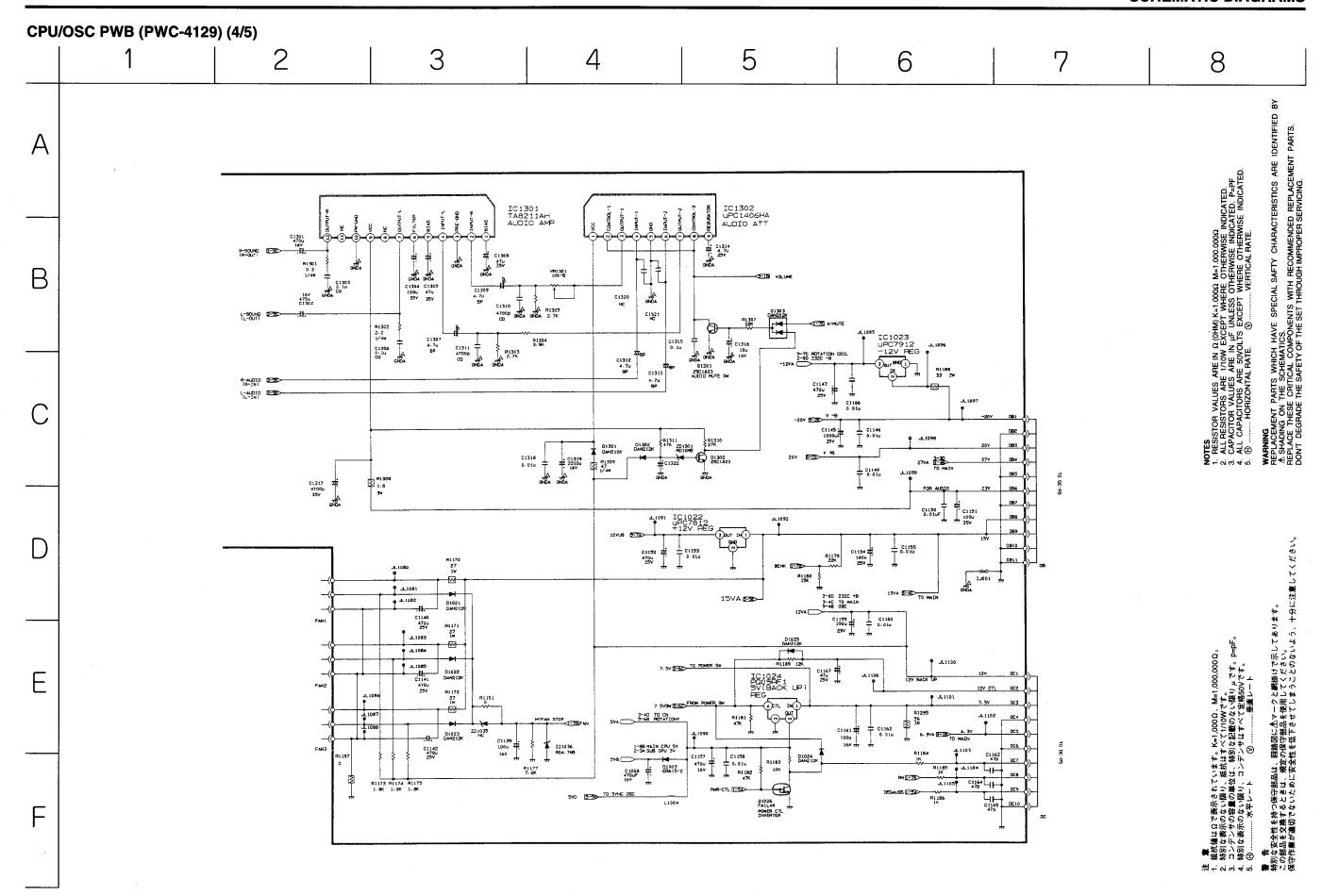


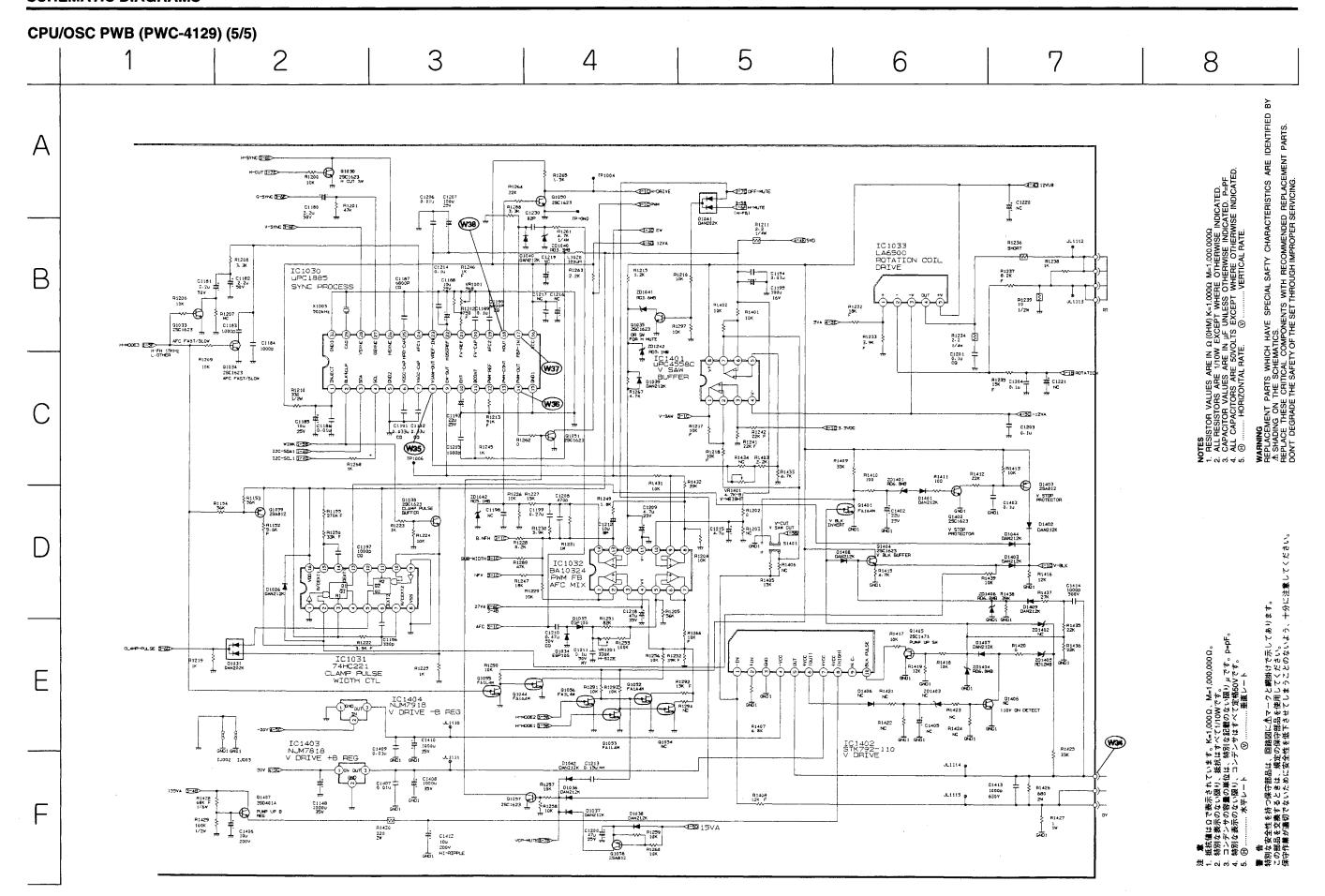




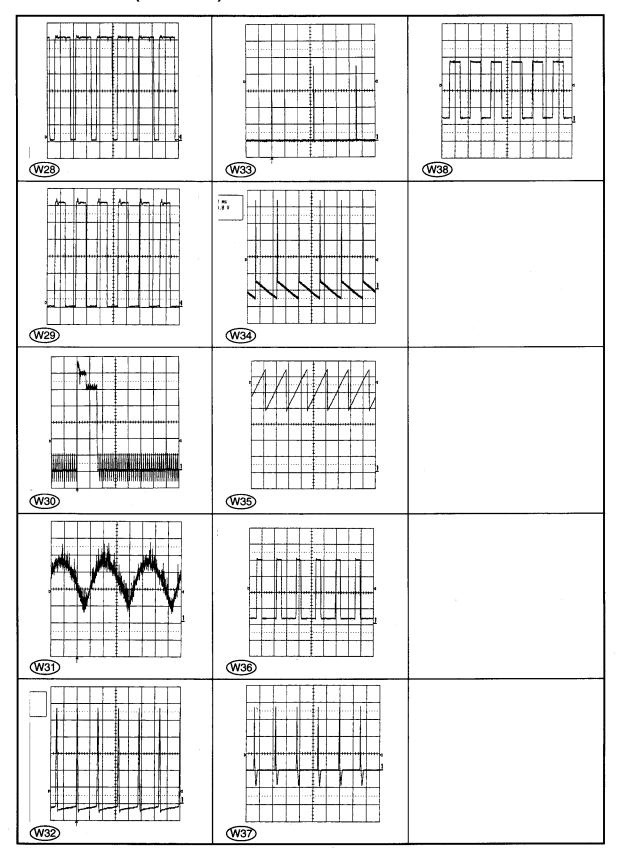




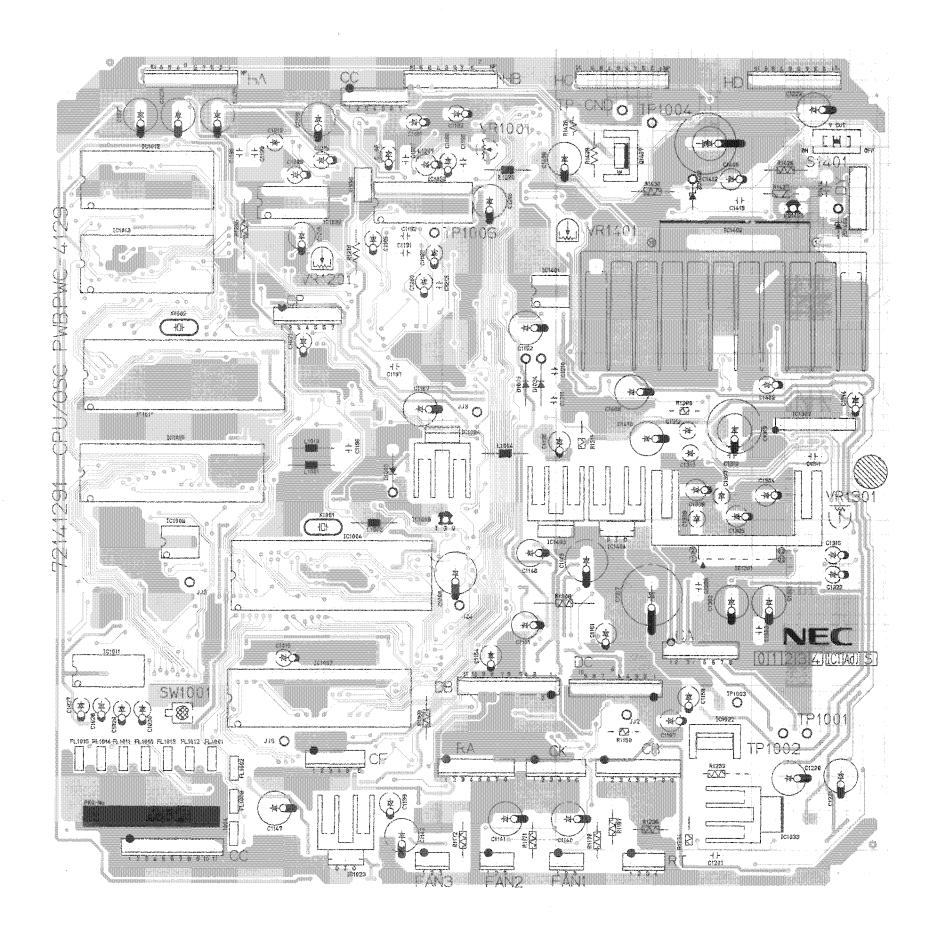




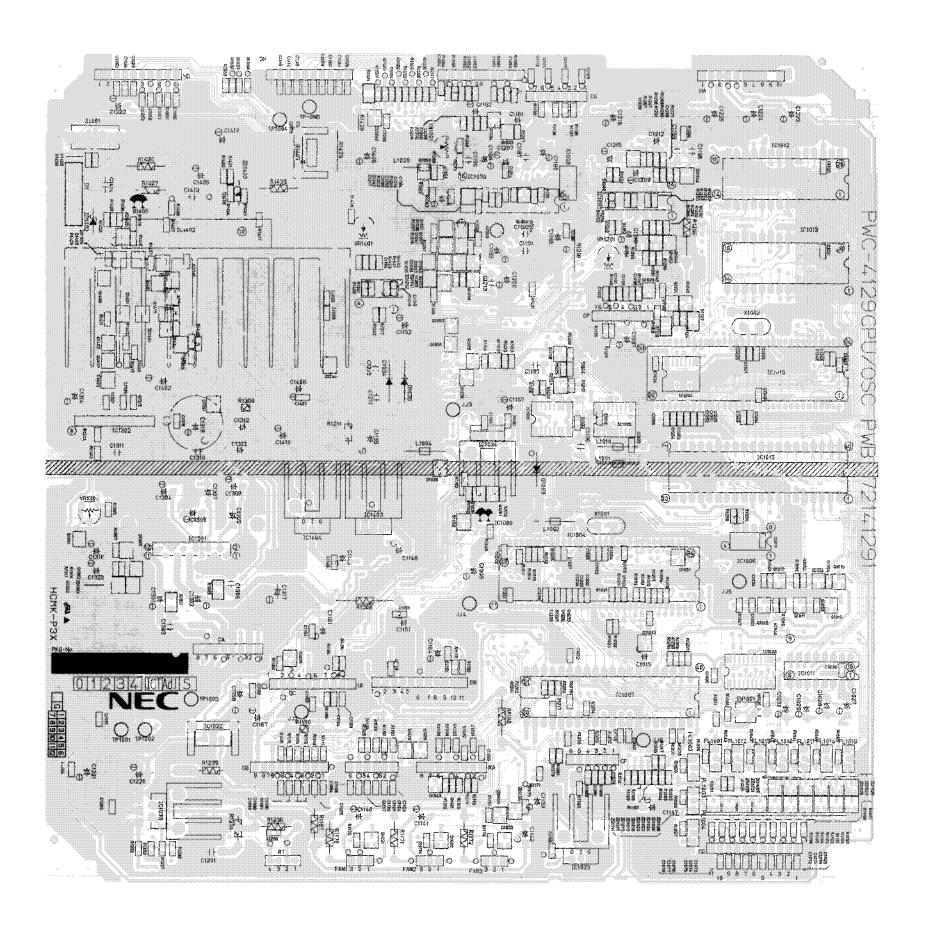
CPU/OSC PWB (PWC-4129) WAVE FORM

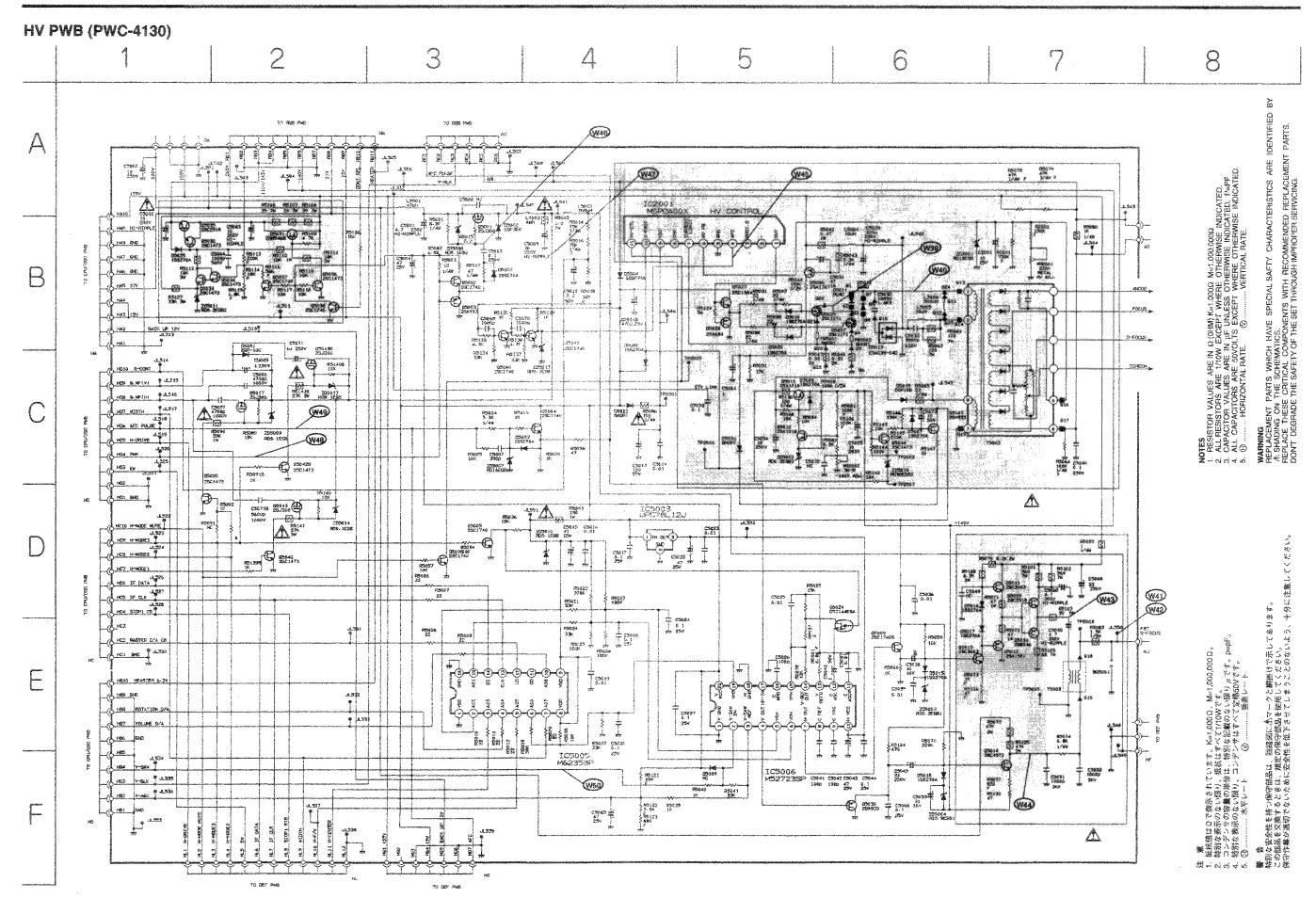


CPU/OSC PWB (PWC-4129) PARTS SIDE

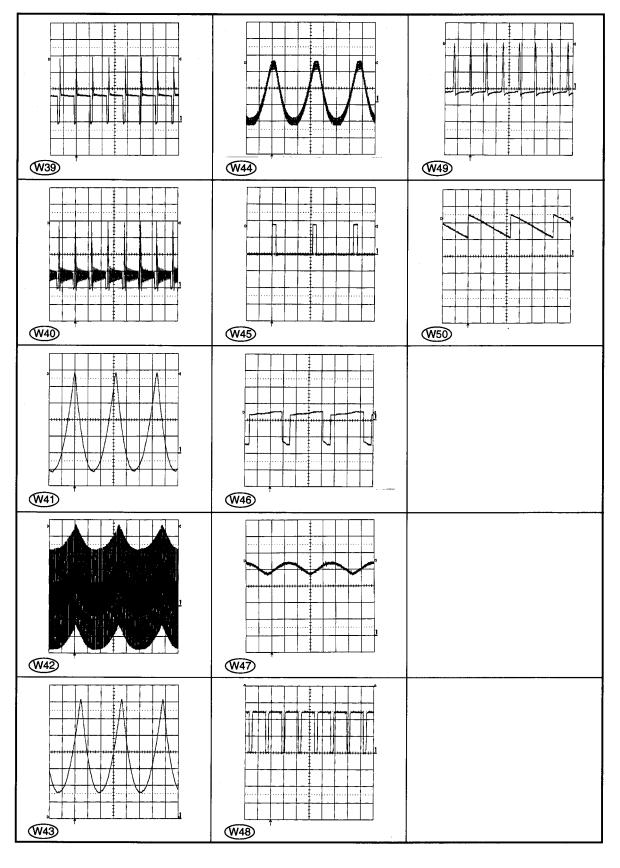


CPU/OSC PWB (PWC-4129) SOLDER SIDE





HV PWB (PWC-4130) WAVE FORM



CIRCUIT		
SYNBOL	VOLTAGE	CONDITION
IC2001		
PIN 1	1. 5	
PIN 2		
PIN 3	0	
PIN 4	0.6	
PIN 5	0.0	
PIN 6		1
	4.8	
PIN 7	0. 1	
PIN 8	1.5	
PIN 9	12. 9	
PIN 10	0	NORMAL CONDITOON
j l	OVER 2.5V	HV PROTECTOR ON
PIN 11	4. 9	
IC 5005		
PIN 1	0	
PIN 2	4.6	
PIN 3		
	3. 7	
PIN 4	2. 4	
PIN 5	0. 7	
PIN 6	2. 3	
PIN 7	2. 9	
PIN 8	5. 2	
PIN 9	5. 2	
PIN 10	1. 2	
PIN 11	4. 2	
PIN 12	0	
PIN 13	3. 7	
PIN 14	0. 4	
PIN 15	2. 9	
PIN 16	0	
IC 5006		
PIN 1	0	
PIN 2	3. 6	
PIN 3	3. 5	
PIN 4	8. 4	
PIN 5	3. 8	
PIN 6	2. 8	
PIN 7	7. 1	
PIN 8	6	
PIN 9	5. 9	
PIN 10	12	
PIN 11	2. 5	
PIN 12	3. 8	
PIN 13	1. 2	
PIN 14	6. 9	
PIN 15	3.8	
PIN 16	0. 2	
PIN 17	0. 7	
PIN 18	0.7	
PIN 19	3. 7	
PIN 20	12	

CIRCUIT		
SYNBOL	VOLTAGE	CONDITION
T5002		
PIN 1	see W2	
PIN 2	162	
PIN 6	4.8	
PIN 7	0	
PIN 8	4.6	
PIN 10	19. 2	
Q5001	13.4	
D	46. 1	
S	218	
G	217	
Q5002	0.7	
E	9. 7	
C	12	
В	9. 7	
Q5003		
E	9. 7	
C	0	
В	9. 7	
Q5004		
E	0. 4	
C	14. 9	
В	0. 7	
Q5005		
E	0	
С	0	
В	0.6	
Q5006		
E	156. 5	
c	0	
B	156. 3	
Q5007	100.0	
D	see W1	
Š	0	
G	0.7	
Q5008	V. 1	
E	0	
C	4. 9	
B	0	
Q5009	<u> </u>	
	6. 4	
E C		
	14.8	
B	7	
Q50010		
E	-6. 1	
C	-129. 8	
B	-6.6	

SCHEMATIC DIAGRAMS

CIRCUIT	T	
SYNBOL	VOLTAGE	CONDITION
Q5011		
E	68. 1	
С	156. 4	
В	68. 6	
Q5012		
E	68	
C	0	
B	67, 2	
Q5013		
E	5.6	1
C	67. 3	
B	6. 2	
Q5014 E	-138.9	}
C	144	,
В	-138. 2	
Q5015	136. 2	
E	-138.9	
č	-144	
В	-138. 2	
Q5017	100.2	
D	41.2	
S	41. 2	
G	32. 9	
Q5020		
Е) o	
С	0	
В	0.7	
Q5024		
Е	0	
С	3.8	
В	0	
Q5025		
D	see ₩1	
S	0	
G Q5027	0. 7	
E	0.6	
Č	14.9	
В	14.3	
Q5028	 	
E	0.6	
Č	0.0	
B	ĭ	

CIRCUIT		
SYNBOL	VOLTAGE	CONDITION
Q5029		
E C	68	
B	151. 2 68	
Q5030	- 00	
E	68	
Č	1.3	
B	68	
Q5031		
E	156. 4	,
C	156. 4	
В	155. 8	
Q5032		
E	134. 4	
C	156. 4	
В	135	<u> </u>
Q5033		
E	8	
C	113.8	
В	8. 5	
Q5034	8, 5	
E	8. 5 113. 8	
B	9	
Q5035	9	
E	133. 8	
Č	156. 4	
B	134. 4	
Q5036		
E	0	
С	0	
В	0.7	
Q5037		
E	0	
<u> </u>	0_	1
B	0. 7	
Q5038	_	
E	0	
C	4. 4	
B Q5039	0	
E :	9. 1	1
Č	0	
B	8.4	1
	<u> </u>	'

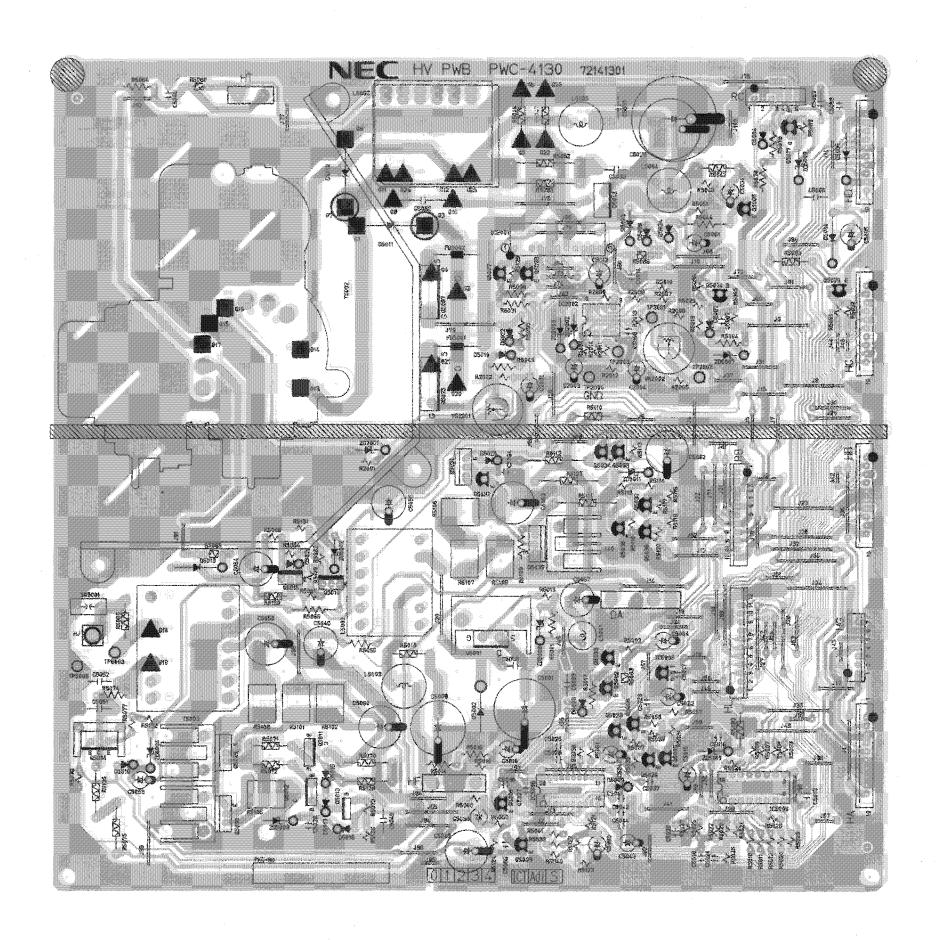
CIRCUIT		
SYNBOL	VOLTAGE	CONDITION
Q5040		
E	0	
C	11.2	
В	0	
Q5041		
E	0	
C	0.8	
В	0	
Q5042		
E	0	
C	0_	
В	0. 7	
Q5042B		1
E	0	
C	ľ	
B	0. 7	<u> </u>
Q5043	4, ,	1
D S	41.1 41.1	
G	32.5	-
Q5043B	32. 0	
D	41.1	
S	41.1	
G	32.5	
Q5044	32.0	
E	-138. 4	
Č	14	1
B	-139.6	
Q5045		
E	14.8	
С	0	
В	12	
IC5003		
PIN 1	14. 9	
PIN 2	0	
PIN 3	12	.1

CIRCUIT		
SYNBOL	VOLTAGE	CONDITION
CN HB		
PIN 1	0	
PIN 2	3. 5	1
PIN 3	0	
PIN 4	see W12	1
PIN 5	0 -	[
PIN 6	0	
PIN 7	3. 4	i
PIN 8	2. 4	
PIN 9	0	
PIN 10	6. 2	i
CN HC		
PIN 1	0	i l
PIN 2	0	
PIN 3	0	
PIN 4	0	
PIN 5	3. 7	
PIN 6	0.3	•
PIN 7	2. 4	fh: 15k~42KHz
	0	fh: 42k~95KHz
PIN 8	2. 4	fh: 15k~66KHz
i	0	fh: 66k~95KHz
PIN 9	2. 2	fh: 15k~31KHz
	0	fh: 31k∼95KHz
PIN 10	0.1	
CN HD		
PIN 1	0	
PIN 2	0	
PIN 3	0	!
PIN 4	see W10	
PIN 5	6	
PIN 6	see Wil	
PIN 7	2. 5	
PIN 8	5. 1	·
PIN 9	5. 1	
PIN 10	2.6	

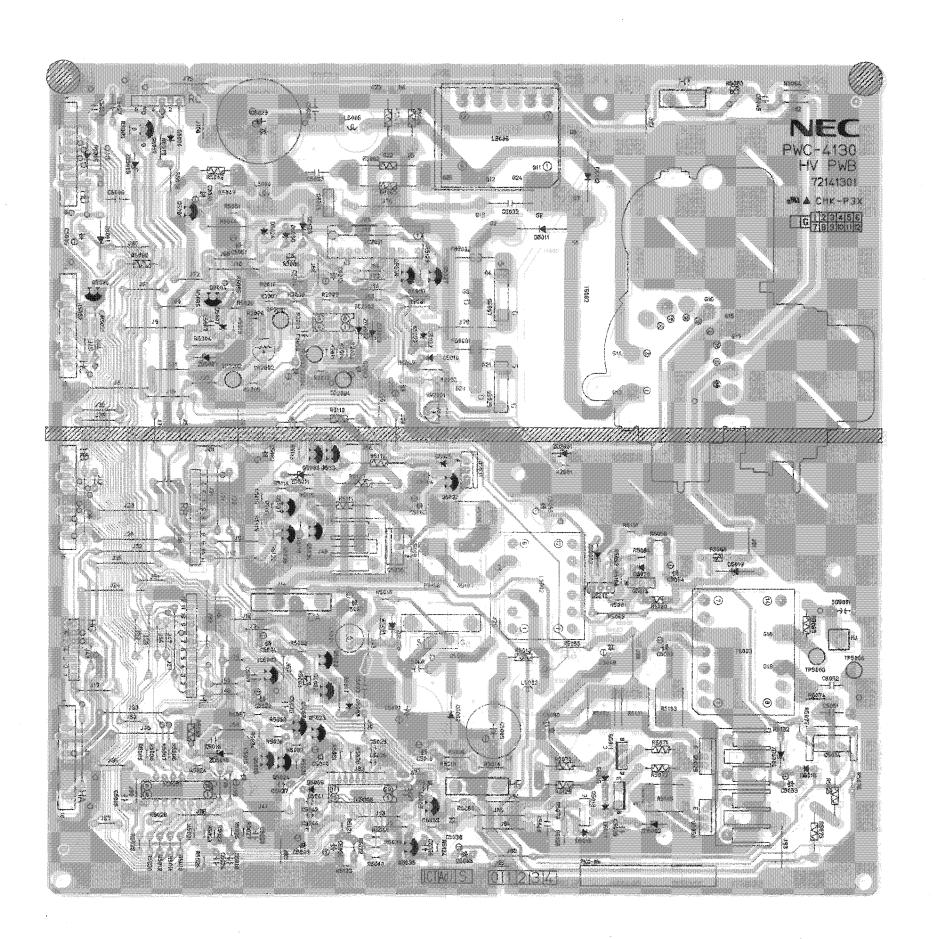
CIRCUIT	 	1
SYNBOL	VOLTAGE	CONDITION
CN HA	TOLINGE	CONDITION
PIN 1	0	
PIN 2	11.9	
PIN 3	14. 8	
PIN 4	14.8	
PIN 5	26. 8	
PIN 6	0	
PIN 7	Ŏ	
PIN 8	ő	
PIN 9	ő	
PIN_10	156. 4	
CN RB	100.4	
PIN 1	219	
PIN 2	0	
PIN 3	139. 5	fh: 15k~39KHz
'''	135. 3	or H-CONT MODE1
	110.0	fh: 40k~95KHz
1 1	110.0	or H-CONT MODE2
PIN 4	139. 5	fh: 15k~39KHz
1111 4	139. 5	or H-CONT MODE1
	110.0	
l i	110.0	fh: 40k~95KHz
PIN 5	0	or H-CONT MODE2
PIN 6	-139. 6	
PIN 7	-139. b	
PIN 8	26. 8	
PIN 9	20. 8 14. 9	
PIN 10	0	fly 151- 20VII
FIN 10	U	fh: 15k~39KHz or H-CONT MODE1
	3. 0	fh: 40k~95KHz
1 1	3. 0	or H-CONT MODE2
PIN 11	6. 2	or n-cont modez
CN RC	0. 2	
PIN 1	0. 7	
PIN 2	0. 7	į ,
PIN 3	0	
PIN 4	0	
PIN 5	12. 3	
PIN 6	0	
CN HL	U U	
PIN 1	5. 9	
PIN 2	0.9	
PIN 3	0	
PIN 4	0. 1	
PIN 5	0.1	
PIN 6	0.4	
PIN 7	3.7	
PIN 8	0	
PIN 9	2.5	
PIN 10	0.7	
PIN 10	3.7	-
PIN 12	0	
111 14		

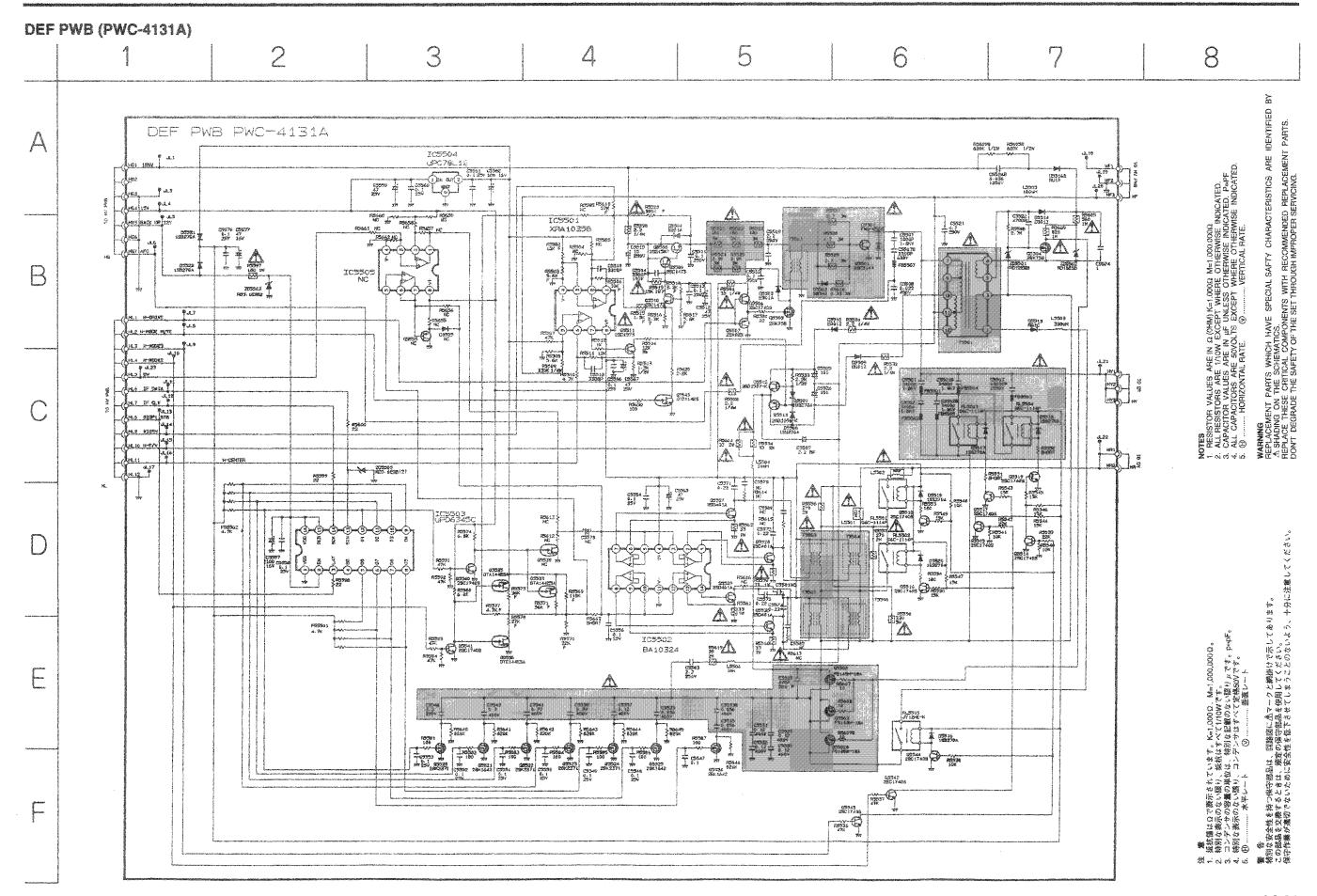
CIRCUIT		
SYNBOL	VOLTAGE	CONDITION
CN HG		
PIN 1	156. 5	
PIN 2	0	
PIN 3	0	
PIN 4	14. 9	İ
PIN 5	11.9	
PIN 6	0	
PIN 7	2. 5	
CN DA	•	
PIN 1	218	
PIN 2	0	*
PIN 3	156.5	
PIN 4	0	ļ
CN HF		
PIN 1	0	
PIN 2	0	
PIN3	40.4~112.2	fh: 15k~65KHz
		XM-2960
1	40.4~166.2	fh: 15k~65KHz
1		XP-2990

HV PWB (PWC-4130) PARTS SIDE

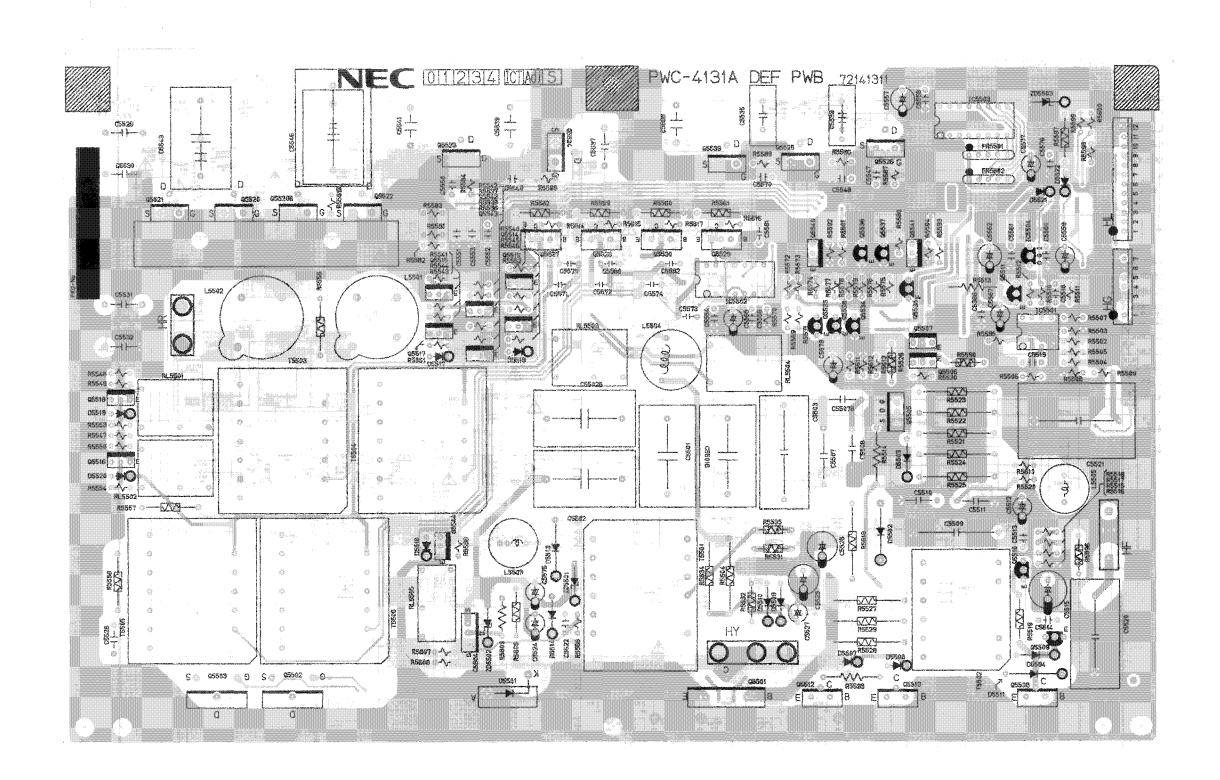


HV PWB (PWC-4130) SOLDER SIDE

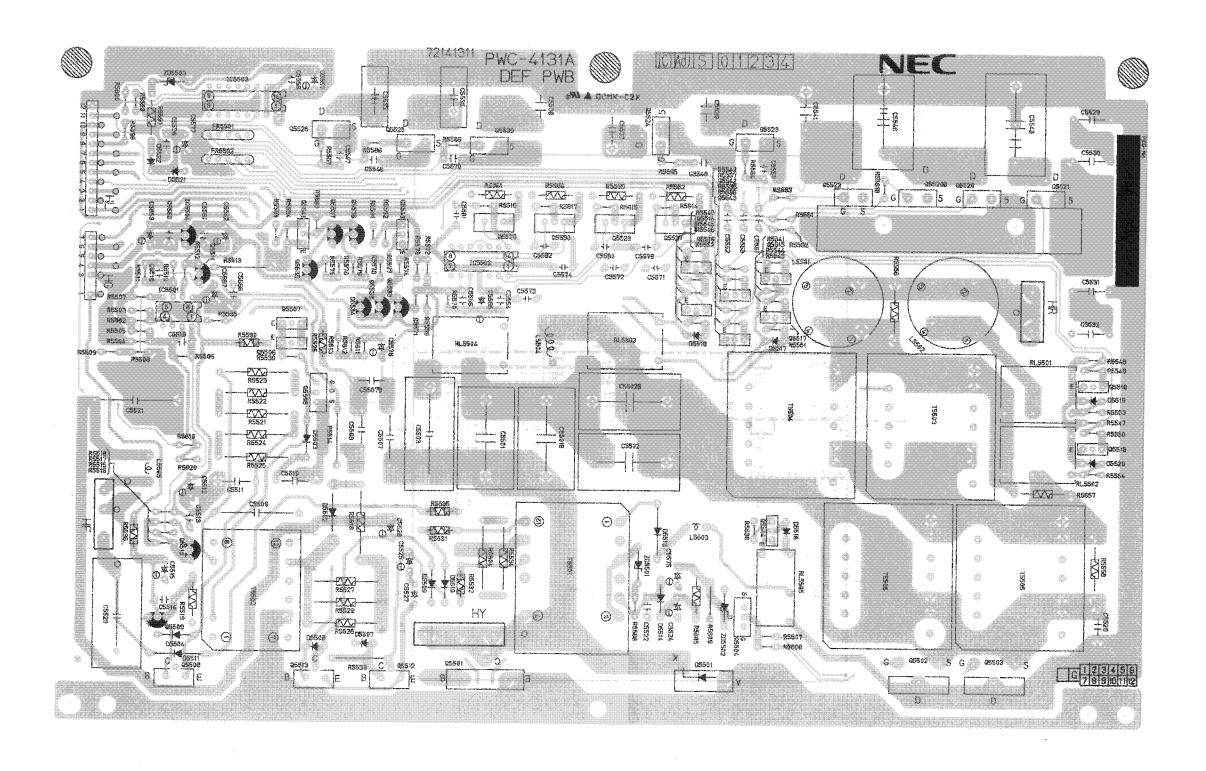


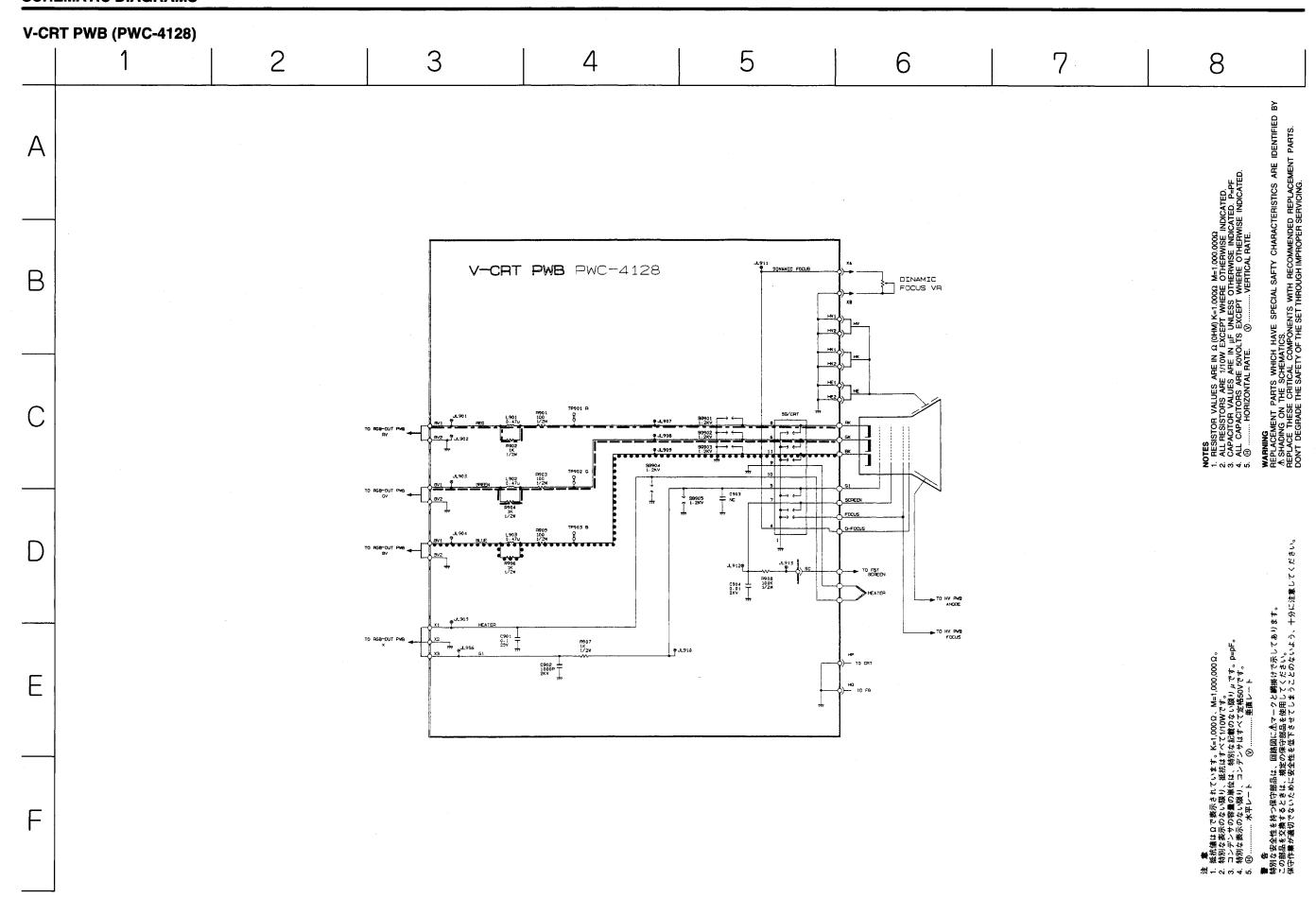


DEF PWB (PWC-4131A)
PARTS SIDE

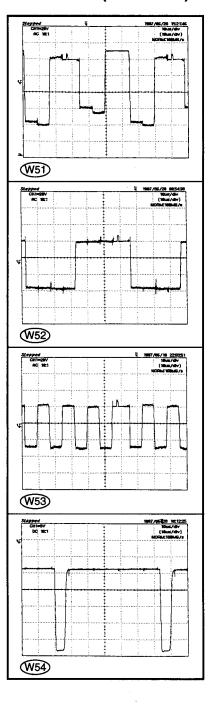


DEF PWB (PWC-4131A) SOLDER SIDE



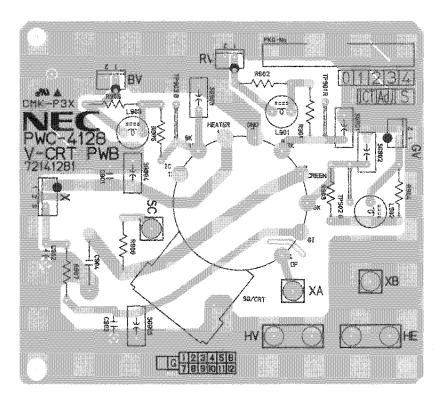


V-CRT PWB (PWC-4128) WAVE FORM

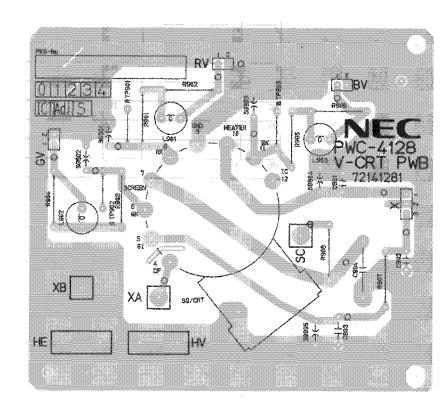


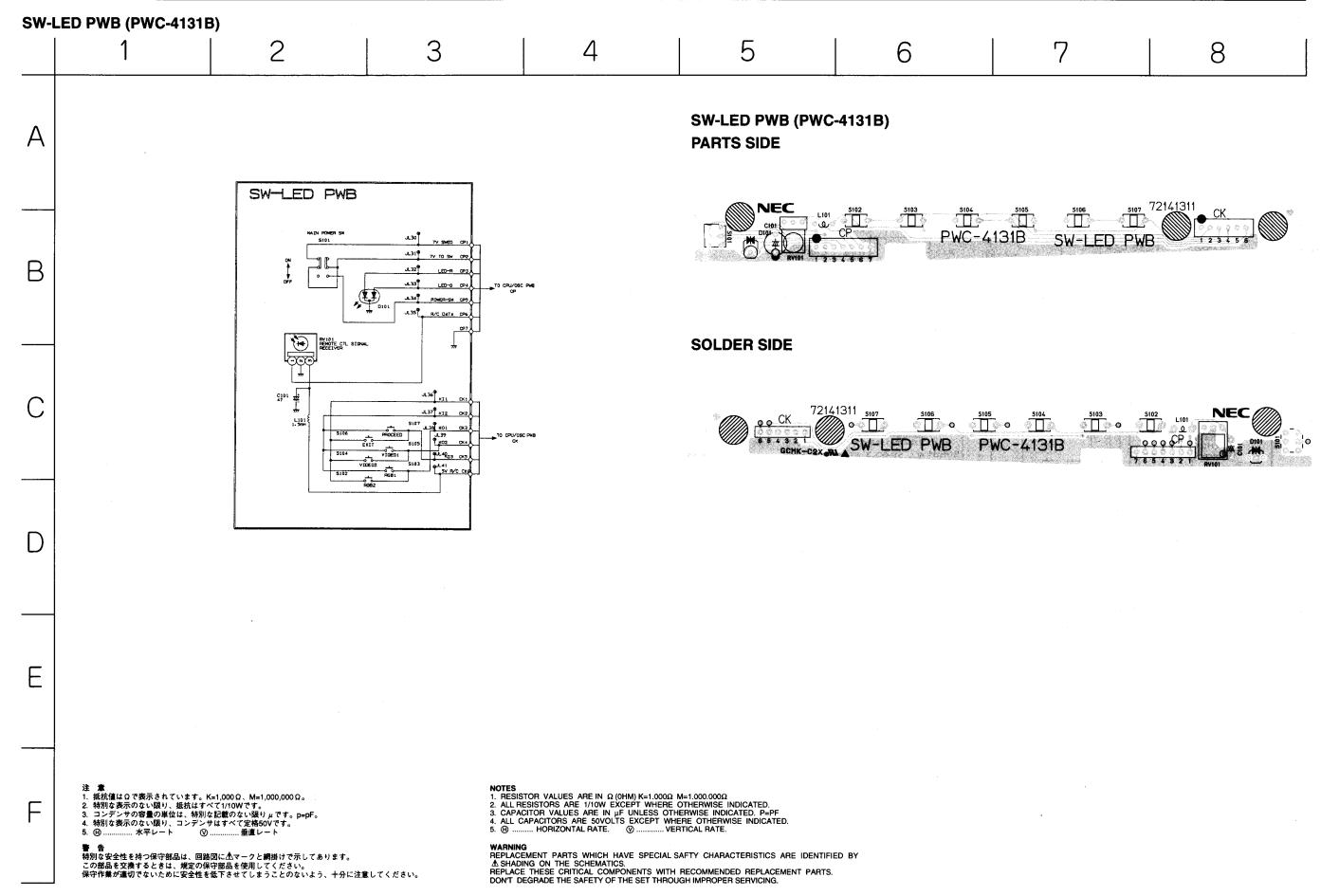
CIRCUIT	SYMBOL		CONDITION
RV	#1	128.7	
	#2	-0	
GV	#1	126.6	
	#2	0	
BV	#1	128.2	
	#2	0	
х	#1	6	
	#2	0	ļ
	#3	10.2	
XA	#1	184.5	
хв	#1	0	
sc	#1	254	
HV	#1.2	0	
HK	#1.2	0	
HE	#1.2	0	

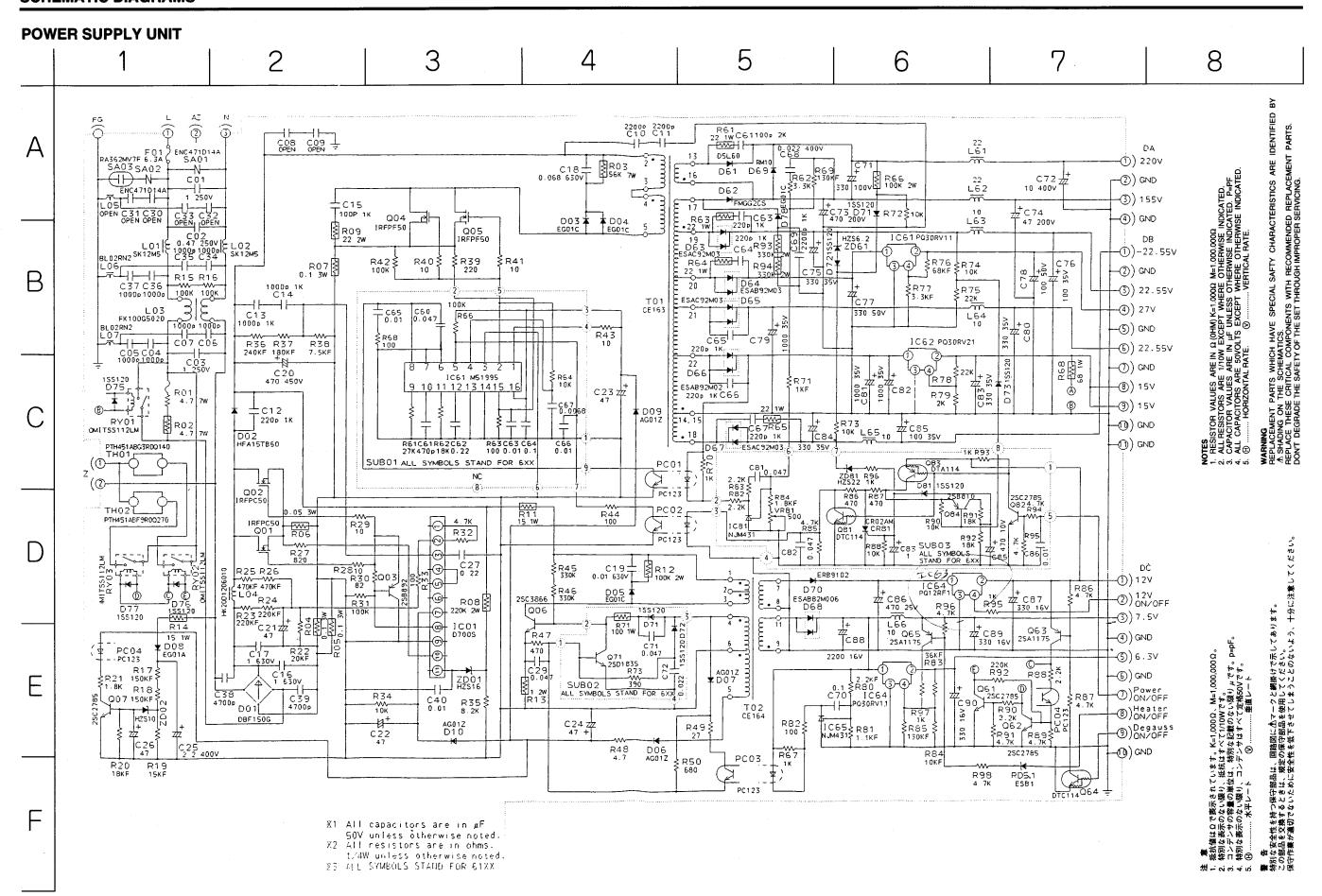
V-CRT PWB (PWC-4128) PARTS SIDE



SOLDER SIDE









PRINTED IN JAPAN 9709MI1330 01137245 (XP-2990) 01137246 (XM-2960) 01137247 (XP-2990G) 01137248 (XM-2960G)